

# BIDDING DOCUMENT



**STANDARD FORM OF BIDDING DOCUMENT**  
**FOR PROCUREMENT OF WORKS AS PER SPPRA RULES**

FOR THE FINANCIAL YEAR 2025-2026

***NAME OF WORK:*** **IMPROVEMENT OF DRAINAGE SYSTEM OF SUKKUR CITY (PHASE-IV)**

***PC Cost:-***

***Rs. 764.774 (M)***

***Bid Security:-***

***Rs. 38.238 (M) or 5%***

***Tender Cost: -***

***Rs. 5,000/-***

***Method:***

***Single Stage – Two Envelop***

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**INVITATION  
FOR BIDS**

## NOTICE INVITING TNDERS

Date: \_\_\_\_\_

Provincial/Local Government Funds/ Grant **(Non-ADP)**

Bid Reference No: \_\_\_\_\_

1. The Sukkur Water & Sewerage Corporation (Name of Procuring Agency) “Procuring Agency”) has received funds from the Provincial Government Sindh towards the scheme **IMPROVEMENT OF DRAINAGE SYSTEM OF SUKKUR CITY (PHASE-IV)** (Name of Project/Scheme) and it is intended that part of the proceeds of the funds will be applied to eligible payments under the contract for the  
Bidding is open to all interested bidders.
1. Procuring agency invites sealed bids from interested firms or persons licensed by the Pakistan Engineering Council (PEC) in the respective category for the works and in discipline under respective specialization Code and registered with relevant tax authorities i.e. NTN, SRB etc. A foreign bidder is entitled to bid only in a joint venture with a Pakistani Firm in accordance with the relevant provisions of PEC by-laws.
2. Bidders may download the bidding documents (BD) from the <http://portalsindh.eprocure.gov.pk/>.
3. Bid Security in original amounting to **Rs. 38.238 (M)** or 5% of Bid Cost an equivalent amount in shape of Called Deposit / Pay Order / DD / Bank Guarantee as per manner prescribed in SPP Rules, the same must be delivered to the office of Executive Engineer (Civil), Sukkur Water & Sewerage Corporation at Sukkur Municipal Corporation on or before deadline of submission of bids i.e. **11:00 AM, on 22-05-2026** (Date). Bids will be opened on the same day as per schedule mentioned in the Tender Notice, in the presence of bidders representatives who choose to attend at the same address. (Indicate address and exact location if it differs).
4. Procuring agency reserves the right to annul the bidding process and reject all bids or proposals, as per SPP Rules 2010 with cogent reasons.
5. The Bid Security would be pledge in the name of **SUKKUR WATER & SEWERAGE CORPORATION**, in the shape of Call Deposit / Pay Order/DD / Bank Guarantee from any scheduled bank and must be attached with ebid documents; otherwise it will not be entertained.
6. Conditional and Telegraphic tenders will not be entertained and Terms and Conditions and Eligibility Criteria mentioned in the Tender Notice will be followed.
7. Bid Opening Venue and Contact Detail is as under:-  
**Executive Engineer (Civil),**  
Sukkur Water & Sewerage Corporation at  
Sukkur Municipal Corporation,  
Ph: 071-9310307 Email. [swsc.sukkur@gmail.com](mailto:swsc.sukkur@gmail.com)

[Note: the bids shall be opened not later than one hour after the deadline for submission of bids]

**INSTRUCTIONS  
TO  
BIDDERS**

## INSTRUCTIONS TO BIDDERS

(Note: These Instructions to Bidders along with bidding data will not be part of the Contract and will cease to have effect once the contract is signed.)

### A. GENERAL

#### IB.1 Scope of Bid

Procuring agency as defined in the bidding data hereinafter called “the procuring agency” wishes to receive bids for the construction and completion of works as described in these bidding documents, and summarized in the bidding data hereinafter referred to as the “Works”.

The successful bidder will be expected to complete the works within the time specified in Appendix-A to Bid.

#### IB.2 Source of Funds

2.1 Procuring agency has received/allocated/] applied for loan/grant/ Federal/ Provincial/Local Government funds from the source(s) indicated in the bidding data in various currencies towards the cost of the project /scheme specified in the bidding data, and it is intended that part of the proceeds of this loan/grant/funds will be applied to eligible payments under the contract for which these bidding documents are issued.

#### IB.3 Eligible Bidders

This Invitation for Bids is open to all interested bidders who are eligible under provisions of Sindh Public Procurement Rules as mentioned below and the criteria given in the Notice Inviting Tender (NIT)/ Bidding Document.

Firms and individuals, national or international, may be allowed to bid for any project where international competitive bidding is feasible. Any conditions for participation shall be limited to those that are essential to ensure the bidder’s capability to fulfill the contract in question.

(a) Bidders may be excluded if;

(i) as a matter of law or official regulations, commercial relations are prohibited with the bidders country by the federal Government in case of ICB, or

(ii) a firm is blacklisted/ debarred by the procuring agency and the matter has been reported to the Authority, subject to Rule 30 of Sindh Public Procurement Rules 2010.

- (b) Government-owned enterprises or institutions may participate only if they can establish that they are;
  - (i) legally and financially autonomous, and
  - (ii) operate under commercial law.

Provided that where government-owned universities or research centers in the country are of a unique and exceptional nature, and their participation is critical to project implementation, they may be allowed to participate; and

Bidders shall include all those contractors who are registered or incorporated in Pakistan, irrespective of the nationality of their owners and professional staff, or

- (c) Bidders are:-
  - (i) pre-qualified with procuring agency for particular project/scheme;
  - (ii) registered with Pakistan Engineering Council in particular category and discipline,
  - (iii) registered with relevant tax authorities (income/sales tax, wherever applicable)

#### **IB.4 One Bid per Bidder**

4.1 Each bidder shall submit only one bid either by himself, or as a partner in a joint venture. A bidder who submits or participates in more than one bid (other than alternatives pursuant to Clause IB.16) will be disqualified.

#### **IB.5 Cost of Bidding**

5.1 The bidders shall bear all costs associated with the preparation and submission of their respective bids, and the procuring agency will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

#### **IB.6 Site Visit**

The bidders are advised to visit and examine the site of works and its surroundings and obtain all information that may be necessary for preparing the bid and entering into a contract for construction of the works. All cost in this respect shall be at the bidder's own expense.

The bidders and any of their personnel or agents will be granted permission by the procuring agency to enter upon his premises and lands for the purpose of such inspection, but only upon the express condition that the bidders, their personnel and agents, will release and indemnify the procuring agency, his personnel and agents from and against all liability in respect thereof and will be responsible for death or personal injury, loss of or damage to property and any other loss, damage, costs and

expenses incurred as a result of such inspection.

## **B. BIDDING DOCUMENTS**

### **IB.7 Contents of Bidding Documents (SSP RULE 21)**

The bidding documents, in addition to invitation for bids, are those stated below and should be read in conjunction with any addenda issued in accordance with Clause IB.9.

- a. Instructions to Bidders.
- b. Bidding Data.
- c. General Conditions of Contract, Part-I (GCC).
- d. Special Conditions of Contract, Part-II (SCC)
- e. Specifications.
- f. Form of Bid and Appendices to Bid.
- g. Bill of Quantities (Appendix-D to Bid).
- h. Form of Bid Security.
- i. Form of Contract Agreement.
- j. Forms of Performance Security, Mobilization Advance Guarantee, Integrity Pact and Indenture bond for secured advance.
- k. Drawings.

The bidders are expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of bid submission will be at the bidder's own risk. Pursuant to Clause IB.26, bids which are not substantially responsive to the requirements of the BD will be rejected.

### **IB.8 Clarification of Bidding Documents (SSP RULE 23(1)):**

Any interested bidder requiring any clarification(s) in respect of the bidding documents may notify the procuring agency in writing at the procuring agency's address indicated in the Invitation for Bids/NIT. Procuring agency will respond to any request for clarification provided they are received at least five calendar days prior to the date of opening of bid.

Provided that any clarification in response to query by any bidder; shall be communicated to all parties who have obtained bidding documents.

### **IB.9 Addendum/Modification of Bidding Documents:**

At any time prior to the deadline for submission of bids, the procuring agency may, for any reason, whether at his own initiative or in response to a clarification requested by a interested bidder, modify the bidding documents by issuing addendum.

Any addendum thus issued shall be part of the bidding documents pursuant to sub- clause IB 7.1 hereof and shall be communicated in writing to all bidders. Interested bidders shall acknowledge receipt of each addendum in writing to the procuring agency.

To afford bidders reasonable time in which to take an addendum into account in

preparing their bids, the procuring agency may extend the deadline for submission of bids in accordance with IB.20

## **C. PREPARATION OF BIDS**

### **IB.10 Language of Bid**

10.1 The bid and all correspondence and documents related to the bid exchanged by a bidder and the procuring agency shall be in the language stipulated in the bidding data and Special Conditions of the Contract. Supporting documents and printed literature furnished by the bidders may be in any other language provided the same are accompanied by an accurate translation of the relevant parts in the bid language, in which case, for purposes of evaluation of the bid, the translation in bid language shall prevail.

### **IB.11 Documents Accompanying the Bid**

Each bidder shall:

- (a) submit a written authorization on the letterhead of the bidding firm, authorizing the signatory of the bid to act for and on behalf of the bidder;
- (b) update the information indicated and listed in the bidding data and previously submitted with the application for prequalification, and continue to meet the minimum criteria set out in the prequalification documents, which as a minimum, would include the following :
  - (i) Evidence of access to financial resources along with average annual construction turnover;
  - (ii) Financial predictions for the current year and the following two years, including the effect of known commitments;
  - (iii) Work commitments since prequalification;
  - (iv) Current litigation information; and
  - (v) Availability of critical equipment.

And

- (c) furnish a technical proposal taking into account the various Appendices to Bid specially the following:

Appendix-E to Bid	Proposed Construction Schedule
Appendix-F to Bid	Method of Performing the Work
Appendix-G to Bid	List of Major Equipment
Appendix-K to Bid	Organization Chart for Supervisory Staff

and other pertinent information such as mobilization programme etc;

Bids submitted by a joint venture of two (2) or more firms shall comply with the following requirements:

- (a) one of the joint venture partners shall be nominated as being in charge; and

this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the joint venture partners;

- (b) the bid, and in case of a successful bid, the Form of Contract Agreement shall be signed by the authorized partner so as to be legally binding on all partners;
- (c) the partner-in-charge shall always be duly authorized to deal with the procuring agency regarding all matters related with and/or incidental to the execution of works as per the terms and Conditions of Contract and in this regard to incur any and all liabilities, receive instructions, give binding undertakings and receive payments on behalf of the joint venture;
- (d) all partners of the joint venture shall at all times and under all circumstances be liable jointly and severally for the execution of the contract in accordance with the contract terms and a statement to this effect shall be included in the authorization mentioned under Sub-Para (a) above as well as in the Form of Bid and in the Form of Contract Agreement (in case of a successful bid);
- (e) a copy of the agreement entered into by the joint venture partners shall be submitted with the bid stating the conditions under which it will function, its period of duration, the persons authorized to represent and obligate it and which persons will be directly responsible for due performance of the contract and can give valid receipts on behalf of the joint venture, the proportionate participation of the several firms forming the joint venture, and any other information necessary to permit a full appraisal of its functioning. No amendments / modifications whatsoever in the joint venture agreement shall be agreed to between the joint venture partners without prior written consent of the procuring agency;
- (f) submission of an alternative Letter of Intent to execute a Joint Venture Agreement shall be mandatory.

Bidders shall also submit proposals of work methods and schedule, in sufficient detail to demonstrate the adequacy of the bidders' proposals to meet the technical specifications and the completion time referred to sub- clause IB 1.2 hereof.

### **IB.12 Bid Prices**

Unless stated otherwise in the bidding documents, the contract shall be for the whole of the works as described in IB 1.1 hereof, based on the unit rates or prices submitted by the bidder or percentage quoted above or below on the rates of Composite Schedule of Rates (CSR), as the case may be.

The bidders shall fill in rates and prices for all items of the works described in the Bill of Quantities. Items against which no rate or price is entered by a bidder will not be paid for by the procuring agency when executed and shall be deemed to be covered by rates and prices for other items in the Bill of Quantities. In case of Composite Schedule of Rates, if the bidder fails to mention the percentage above or below, it shall be deemed to be at par with the rates of Composite Schedule of Rates.

The bid price submitted by the contractor shall include all rates and prices including

the taxes. All duties, taxes and other levies payable by the contractor under the contract, or for any other cause during the currency of the execution of the work or otherwise specified in the contract as on the date seven days prior to the deadline for submission of bids.

Additional / reduced duties, taxes and levies due to subsequent additions or changes in legislation shall be reimbursed / deducted as per Sub-Clause 13.7 of the General Conditions of Contract Part-I.

The rates and prices quoted by the bidders are subject to adjustment during the performance of the contract in accordance with the provisions of Clause 13.7 of GCC. The bidders shall furnish the prescribed information for the price adjustment formulae in Appendix-C to Bid, and shall submit with their bids such other supporting information as required under the said Clause. Adjustment in prices quoted by bidders shall be allowed as per Sub-Para 4(ii) of Section C of Instructions to bidders and bidding data.

### **IB.13 Currencies of Bid and Payment**

The unit rates and the prices shall be quoted by the bidder entirely in Pak rupees. A bidder expecting to incur expenditures in other currencies for inputs to the works supplied from outside the procuring agency's country (referred to as the "Foreign Currency Requirements") shall indicate the same in Appendix-B to Bid. The proportion of the bid price (excluding Provisional Sums) needed by him for the payment of such Foreign Currency Requirements either (i) entirely in the currency of the bidder's home country or, (ii) at the bidder's option, entirely in Pak rupees provided always that a bidder expecting to incur expenditures in a currency or currencies other than those stated in (i) and (ii) above for a portion of the foreign currency requirements, and wishing to be paid accordingly, shall indicate the respective portions in the bid.

The rates of exchange to be used by the bidder for currency conversion shall be the selling rates published and authorized by the State Bank of Pakistan prevailing on the date, 07 (seven) days prior to the deadline for submission of bids. For the purpose of payments, the exchange rates used in bid preparation shall apply for the duration of the contract.

### **IB.14 Bid Validity**

Bids shall remain valid for the period stipulated in the bidding data from the date of opening of bid specified in clause IB.23.

In exceptional circumstances, prior to expiry of the original, the procuring agency may request the bidders to extend the period of validity for a specified additional period, which shall not be for more than one third of the original period of bid validity. The request and the responses thereto, shall be made in writing. A bidder may refuse the request without the forfeiture of the bid security. In case, a bidder agreed to the request, shall not be required or permitted to modify the bid, but will be required to extend the validity of the bid security for the period of the extension, and in compliance with Clause IB.15 in all respects.

### **IB.15 Bid Security**

Each bidder shall furnish, as part of the bid, a bid security in the amount stipulated in the bidding data in Pak Rupees or an equivalent amount in a freely convertible currency.

The bid security shall be at the option of the bidder, in the form of deposit at call, Pay order or a bank guarantee issued by a Scheduled Bank in Pakistan or from a foreign bank duly counter guaranteed by a Scheduled Bank in Pakistan in favour of the procuring agency, which should commensurate with the bid validity period. The bank guarantee for bid security shall be acceptable in the manner as provided at Annexure BS-1

Any bid not accompanied by an acceptable bid security shall be rejected by the procuring agency as non-responsive.

Bid security shall be released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.

The bid security of the successful bidder shall be returned when the bidder has furnished the required Performance Security and signed the Contract Agreement.

The bid security may be forfeited:

- (a) if the bidder withdraws his bid except as provided in sub- clause IB 22.1;
- (b) if the bidder does not accept the correction of his bid price pursuant to sub-clause IB 27.2 hereof; or
- (c) In the case of successful bidder, if he fails within the specified time limit to:
  - (i) furnish the required Performance Security; or
  - (ii) sign the Contract Agreement.

### **IB.16 Alternate Proposals/Bids**

Each bidder shall submit only one bid either by himself, or as a member of a joint venture, until and unless they have been requested or permitted for alternative bid, then he has to purchase separate bidding documents and alternate bid shall be treated as separate bid.

Alternate proposals are allowed only for procurement of works where technical complexity is involved and more than one designs or technical solutions are being offered. Two stage two envelope bidding procedure will be appropriate when alternate proposal is required.

Alternate bid(s) shall contain (a) relevant design calculations; (b) technical specifications; (c) proposed construction methodology; and (d) any other relevant details / conditions, provided that the total sum entered on the Form of Bid shall be

that which represents complete compliance with the bidding documents.

### **IB.17 Pre-Bid Meeting**

Procuring agency may, on his own motion or at the request of any bidder, hold a pre-bid meeting to clarify issues and to answer any questions on matters related to the bidding documents. The date, time and venue of pre-bid meeting, if convened, shall be communicated to all bidders. All bidders or their authorized representatives shall be invited to attend such a pre-bid meeting at their own expense.

The bidders are requested to submit questions, if any, in writing so as to reach the Procuring agency not later than seven (7) days before the proposed pre-bid meeting.

Minutes of the pre-bid meeting, including the text of the questions raised and the replies given, will be transmitted without delay to all bidders. Any modification of the bidding documents listed in sub-clause IB 7.1 hereof, which may become necessary as a result of the pre-bid meeting shall be made by the procuring agency exclusively through the issue of an Addendum pursuant to Clause IB.9 and not through the minutes of the pre-bid meeting.

Absence at the pre-bid meeting will not be a cause for disqualification of a bidder.

### **IB.18 Format and Signing of Bid**

Bidders are particularly directed that the amount entered on the Form of Bid shall be for performing the contract strictly in accordance with the bidding documents.

All appendices to bid are to be properly completed and signed.

Alteration is not to be made neither in the form of bid nor in the Appendices thereto except in filling up the blanks as directed. If any such alterations be made or if these instructions be not fully complied with, the bid may be rejected.

Each bidder shall prepare by filling out the forms without alterations and shall provide an original copy along with photocopies as per the requirement of the procuring agency specified in the bidding data. The original as well as copies of the document shall be clearly marked as "ORIGINAL" and „COPY", as the case may be. If there is any discrepancy between original and copy (ies) then the original shall prevail.

The original and all copies of the bid shall be typed or written in indelible ink (in the case of copies, Photostats are also acceptable) and shall be signed by a person(s) duly authorized to sign on behalf of the bidder pursuant to sub-clause IB 11.1(a) hereof. All pages of the bid shall be initialed and stamped by the person(s) signing the bid.

The bid shall contain no alterations, omissions or additions, except to comply with instructions issued by the procuring agency, or as are necessary to correct errors made by the bidder. Such corrections shall be initialed by the person(s) signing the bid.

Bidders shall indicate in the space provided in the Form of Bid their full and proper

postal addresses at which notices may be legally served on them and to which all correspondence in connection with their bids and the contract is to be sent.

Bidders should retain a copy of the bidding documents as their file copy.

#### **D. SUBMISSION OF BIDS**

##### **IB.19 Sealing and Marking of Bids**

Each bidder shall submit his bid as under:

- (a) ORIGINAL and COPIES of the bid shall be separately sealed and put in separate envelopes and marked as such.
- (b) The envelopes containing the ORIGINAL and COPIES shall be put in one sealed envelope and addressed as given in sub – clause IB 19.2 hereof.

The inner and outer envelopes shall:

- (a) be addressed to the procuring agency at the address provided in the bidding data;
- (b) bear the name and identification number of the contract as defined in the bidding data; and
- (c) provide a warning not to open before the time and date for bid opening, as specified in the bidding data.

In addition to the identification required in sub- clause IB 19.2 hereof, the inner envelope shall indicate the name and postal address of the bidder to enable the bid to be returned unopened in case it is declared “late” pursuant to Clause IB.21

If the outer envelope is not sealed and marked as above, the procuring agency will assume no responsibility for the misplacement or premature opening of the Bid.

##### **IB.20 Deadline for Submission of Bids**

- (a) Bids must be received by the procuring agency at the address specified not later than the time and date stipulated in the bidding data,
- (b) Bids with charges payable will not be accepted, nor will arrangements be undertaken to collect the bids from any delivery point other than that specified above. Bidders shall bear all expenses incurred in the preparation and delivery of bids. No claims shall be entertained for refund of such expenses,
- (c) Where delivery of a bid is by mail and the bidder wishes to receive an acknowledgment of receipt of such bid, he shall make a request for such acknowledgment in a separate letter attached to but not included in the sealed bid package,

- (d) Upon request, acknowledgment of receipt of bids will be provided to those making delivery in person or by messenger.

The Procuring Agency may, at its discretion, extend the deadline for submission of bids by issuing an amendment in accordance with IB 09. In such case, all rights and obligations of the procuring agency and the bidders shall remain the same as mentioned in the original deadline.

#### **IB.21 Late Bids**

- (a) any bid received by the procuring agency after the deadline for submission of bids prescribed in to clause IB 20 shall be returned unopened to such bidder.
- (b) delays in the mail, person in transit, or delivery of a bid to the wrong office shall not be accepted as an excuse for failure to deliver a bid at the proper place and time. It shall be the bidder's responsibility to submit the bid in time.

#### **IB.22 Modification, Substitution and Withdrawal of Bids**

Any bidder may modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or written notice of withdrawal is received by the procuring agency prior to the deadline for submission of bids.

The modification, substitution, or notice for withdrawal of any bid shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause IB.19 with the outer and inner envelopes additionally marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" as appropriate.

No bid may be modified by a bidder after the deadline for submission of bids except in accordance with to sub - clauses IB 22.1 and IB 27.2.

Withdrawal of a bid during the interval between the deadlines for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the bid security in pursuance to clause IB 15.

### **E. BID OPENING AND EVALUATION.**

#### **IB.23 Bid Opening**

Procuring agency will open the bids, including withdrawals, substitution and modifications made pursuant to Clause IB.22, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in the bidding data. The bidders or their representatives who are in attendance shall sign an attendance sheet.

Envelopes marked "MODIFICATION", "SUBSTITUTION" or "WITHDRAWAL" shall be opened and read out first. Bids for which an acceptable notice of withdrawal has been submitted pursuant to clause IB.22 shall not be opened.

Procuring agency shall read aloud the name of the bidder, total bid price and price of

any Alternate Proposal(s), if any, discounts, bid modifications, substitution and withdrawals, the presence or absence of bid security, and such other details as the procuring agency may consider appropriate, and total amount of each bid, and of any alternative bids if they have been requested or permitted, shall be read aloud and recorded when opened.

Procuring Agency shall prepare minutes of the bid opening, including the information disclosed to those present in accordance with the sub-clause IB.23.3.

#### **IB.24 Process to be Confidential. (SPP Rule 53)**

24.1 Information relating to the examination, clarification, evaluation and comparison of bid and recommendations for the award of a contract shall not be disclosed to bidders or any other person not officially concerned with such process before the announcement of bid evaluation report in accordance with the requirements of Rule 45, which states that Procuring agencies shall announce the results of bid evaluation in the form of a report giving reasons for acceptance or rejection of bids. The report shall be hoisted on website of authority and that of procuring agency if it website exists and intimated to all bidders at least seven (7) days prior to the award of contract. The announcement to all bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated. Any effort by a bidder to influence the procuring agency's processing of bids or award decisions may result in the rejection of such bidder's bid. Whereas, any bidder feeling aggrieved, may lodge a written complaint as per Rule 31; however mere fact of lodging a complaint shall not warrant suspension of the procurement process.

#### **IB.25 Clarification of Bid (SPP Rule 43)**

25.1 To assist in the examination, evaluation and comparison of bids, the procuring agency may, at its discretion, ask any bidder for clarification of the bid, including breakdowns of unit rates. The request for clarification and the response shall be in writing but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by the procuring agency in the evaluation of the bids in accordance with clause IB 28.

#### **IB.26 Examination of Bids and Determination of Responsiveness**

Prior to the detailed evaluation of bids, the procuring agency will determine whether the bidder fulfills all codal requirements of eligibility criteria given in the tender notice such as registration with tax authorities, registration with PEC (where applicable), turnover statement, experience statement, and any other condition mentioned in the NIT and bidding document. If the bidder does not fulfill any of these conditions, it shall not be evaluated further.

Once found to be fulfilling the eligibility criteria, as mentioned in sub-clause 26.1, the bids of eligible bidders will be evaluated for technical responsiveness as per specification and criteria given in the bidding documents. Technical and financial evaluations may be carried out in accordance with single stage-single one envelope, single stage-two envelopes, two stage or two stage-two envelopes bidding procedures,

depending on the selection procedure adopted by the procuring agency.

A bid will be considered technically responsive if it (i) has been properly signed; (ii) is accompanied by the required bid security; and (iii) conforms to all the terms, conditions and specifications of the bidding documents, without material deviation or reservation. A material deviation or reservation is one (i) which affect in any substantial way the scope, quality or performance of the works; (ii) which limits in any substantial way, inconsistent with the bidding documents, the procuring agency's rights or the bidder's obligations under the contract; or (iii) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

If a bid has major deviations to the commercial requirements and technical specifications will be considered technically non responsive. As a general rule, major deviations are those that if accepted, would not fulfill the purposes for which the bid is requested, or would prevent a fair comparison or affect the ranking of the bids that are compliant with the bidding documents.

**(A). Major (material) Deviations include:-**

- (i) has been not properly signed;
- (ii) is not accompanied by the bid security of required amount and manner;
- (iii) stipulating price adjustment when fixed price bids were called for;
- (iv) failing to respond to specifications;
- (v) failing to comply with Mile-stones/Critical dates provided in Bidding Documents;
- (vi) sub-contracting contrary to the Conditions of Contract specified in Bidding Documents;
- (vii) refusing to bear important responsibilities and liabilities allocated in the Bidding Documents, such as performance guarantees and insurance coverage;
- (viii) taking exception to critical provisions such as applicable law, taxes and duties and dispute resolution procedures;
- (ix) a material deviation or reservation is one :
  - (a) which affect in any substantial way the scope, quality or performance of the works;
  - (b) adoption/rectification whereof would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

**(B) Minor Deviations**

Bids that offer deviations acceptable to the Procuring Agency and which can be assigned a monetary value may be considered substantially responsive at least as to the issue of fairness. This value would however be added as an adjustment for evaluation purposes only during the detailed evaluation process.

If a bid is not substantially responsive, it will be rejected by the procuring agency, and may not subsequently be made responsive by correction or withdrawal of the non-conforming deviation or reservation.

## **IB.27 Correction of Errors before Financial Evaluation**

Bids determined to be substantially responsive will be checked by the procuring agency for any arithmetic errors. Errors will be corrected by the procuring agency as follows:

- (a) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
- (b) where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by the quantity, the unit rate as quoted will govern, unless in the opinion of the procuring agency there is an obviously gross misplacement of the decimal point in the unit rate, in which case the line item total as quoted will govern and the unit rate will be corrected.

The amount stated in the Form of Bid will be adjusted by the procuring agency in accordance with the above procedure for the correction of errors and with the concurrence of the bidders. The amount thus corrected shall be considered as binding upon the bidder. If the bidder does not accept the corrected bid price, his bid will be rejected, and the bid security shall be forfeited in accordance with sub- clause IB 15.6(b) hereof.

## **IB.28 Financial Evaluation and Comparison of Bids**

The procuring agency will evaluate and compare only the Bids determined to be substantially responsive in accordance with clause IB 26.

In evaluating the Bids, the procuring agency will determine for each bid the evaluated bid price by adjusting the bid price as follows:

- (a) making any correction for errors pursuant to clause IB 27;
- (b) excluding provisional sums (if any), for contingencies in the Summary Bill of Quantities, but including competitively priced Day work; and
- (c) making an appropriate adjustment for any other acceptable variation or deviation.

The estimated effect of the price adjustment provisions of the conditions of contract, applied over the period of execution of the contract, shall not be taken into account in bid evaluation.

If the bid of the successful bidder is seriously unbalanced in relation to the procuring agency's estimate of the cost of work to be performed under the contract, the procuring agency may require the bidder to produce detailed price analyses for any or all items of the Bill of Quantities to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the procuring agency may require that the amount of the Performance Security set forth in clause IB.32 be increased at the expense of the successful bidder to a level sufficient to protect the procuring agency against financial loss in the event of default of the successful bidder under the contract.

Bidders may be excluded if involved in “**Corrupt and Fraudulent Practices**” means either one or any combination of the practices given below SPP Rule2(q);

- (i) “**Coercive Practice**” means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;
- (ii) “**Collusive Practice**” means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
- (iii) “**Corrupt Practice**” means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
- (iv) “**Fraudulent Practice**” means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- (v) “**Obstructive Practice**” means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

#### **Evaluation Report (SPP Rule 45)**

After the completion of evaluation process, as described in clauses IB 27 and IB 28, the procuring agency shall announce the results of bid evaluation in the form of report (available on the website of the authority) giving reasons for acceptance and rejection of bid. The report shall be hoisted on website of the authority and that of procuring agencies if its website exists and intimated to all bidders at least seven (7) days prior to the award of contract.

#### **F. AWARD OF CONTRACT**

##### **IB.29 Award (SPP Rule 49)**

Subject to clauses IB 30 and IB 34 and provision of the rule: The procuring agency shall award the contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents, and who has offered the lowest evaluated bid, but not necessarily the lowest submitted price, within the original or extended period of bid validity. Provided that such bidder has been determined to be eligible in accordance with the provisions of clause IB 03 and qualify pursuant to sub- clause IB 29.2.

Procuring agency, at any stage of the bid evaluation, having credible reasons for or having *prima facie* evidence of any deficiency(ies) in contractor's capacities, may require the contractor to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not for the said project.

Provided, that such qualification shall only be laid down after recording reasons thereof, in writing. They shall form part of the records of that bid evaluation report.

### **IB.30 Procuring Agency's Right to reject all Bids or Annul/Cancellation the Bidding Process (SPP Rule 25)**

Notwithstanding clause IB 29 and provision of the rule: (1) A procuring agency reserves may cancel the bidding process at any time prior to the acceptance of a bid or proposal; (2) The procuring agency shall incur no liability towards bidders solely by virtue of its invoking sub –rule (1); (3) Intimation of the cancellation of bidding process shall be given promptly to all bidders and bid security shall be returned along with such intimation; (4) The procuring agency shall, upon request by any of the bidders, communicate to such bidder, grounds for cancellation of the bidding process, but is not required to justify such grounds.

### **IB.31. Notification/Publication of the Award of Contract (SPP Rule 25).**

Prior to expiry of the period of bid validity, including extension, prescribed by the procuring agency, the procuring agency shall notify the successful bidder in writing ("Letter of Acceptance") that his bid has been accepted. This letter shall mention the sum which the procuring agency will pay to the contractor in consideration of the execution and completion of the works by the contractor as prescribed by the contract (hereinafter and in the conditions of contract called the "Contract Price").

No negotiation with the bidder having evaluated as lowest responsive or any other bidder shall be permitted, however, procuring agency may hold meetings to clarify any item in the bid evaluation report.

The notification of award and its acceptance by the bidder will constitute the formation of the contract, binding the procuring agency and the bidder till signing of the formal Contract Agreement.

Upon furnishing by the successful bidder of a Performance Security and signing of the contract, the procuring agency will promptly notify the name of the successful bidder to all bidders and return their bid securities accordingly.

Within seven days of the award of contract, procuring agency shall publish on the website of the Authority and on its own website, if such a website exists, the results of the bidding process, identify the bid through procurement identifying numbers, and the following information:

- (1) Evaluation Report;
- (2) Form of Contract and letter of Award;
- (3) Bill of Quantities or Schedule of Requirement.

**Debriefing (SPP Rule 51).**

- (a) A bidder may ask the procuring agency for reasons for non acceptance of his bid and may request for a debriefing meeting and procuring agency shall give him the reasons for such non acceptance, either in writing or by holding a debriefing meeting with such a bidder.
- (b) The requesting bidder shall bear all the costs of attending such a debriefing.

**IB.32 Performance Security (SPP Rule 39)**

The successful bidder shall furnish to the procuring agency a Performance Security in the form of pay order or demand draft or bank guarantee, and the amount stipulated in the bidding data and the Conditions of Contract within a period of 28 days after the receipt of Letter of Acceptance.

Failure of the successful bidder to comply with the requirements of Sub-clause IB.32.1 or clauses IB 33 or IB 35 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security.

Validity of performance security shall extend at least ninety days beyond the date of completion of contract, or as mentioned in the bidding data to cover defects liability period or maintenance period subject to final acceptance by the procuring agency.

**IB.33 Signing of Contract Agreement (SPP Rule 39)**

Within 14 days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the procuring agency will send the successful bidder the Contract Agreement in the form provided in the bidding documents, incorporating all agreements between the parties.

The formal Agreement between the procuring agency and the successful bidder shall be executed within 14 days of the receipt of the Contract Agreement by the successful bidder from the procuring agency.

A procurement contract shall come into force when the procuring agency requires signs contract, the date on which the signatures of both the procuring agency and the successful bidder are affixed to the written contract. Such affixing of signatures shall take place within the time prescribed in the bidding documents.

Provided that the procuring agency may reduce the maximum time limit for signing of contract, as and when required, and shall be mentioned in the bidding documents.

**Stamp Duty.**

The formal Agreement between the Procuring Agency and the successful bidder shall be duly stamped at rate of ----% of bid price (updated from time to time) stated in Letter of Acceptance

### **IB.34 General Performance of the Bidders**

Procuring agency may in case of consistent poor performance of the contractor and his failure to remedy the underperforming contract may take such action as may be deemed appropriate under the circumstances of the case including the rescinding the contract and/or black listing of such contractor and debarring him from participation in future bidding process.

### **IB.35 Integrity Pact (SPP Rule 89)**

The bidder shall sign and stamp the Integrity Pact provided at Appendix-L to the bidding documents for all Provincial/Local Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the bidder non-responsive.

### **IB.36 Instructions not Part of Contract**

Bids shall be prepared and submitted in accordance with these Instructions which are provided to assist bidders in preparing their bids, and do not constitute part of the bid or the Contract Documents.

### **IB.37 Arbitration (SPP Rule 34)**

Any dispute that is not amicably resolved shall be finally settled, unless otherwise specified in the Contract, under the Arbitration Act 1940 updated from time to time and would be held anywhere in the Province of Sindh at the discretion of procuring agency.

# **BIDDING DATA**

## NOTES ON BIDDING DATA

This Section is intended to assist the procuring agency in providing the specific information in relation to corresponding clauses in Instructions to Bidders and should be prepared to suit each individual contract.

The procuring agency should provide in the bidding data information and requirements specific to the circumstances of the procuring agency, the processing of the bid, the applicable rules regarding bid price and currency, and the bid evaluation criteria that will apply to the bids. In preparing this section, the following aspects should be checked:

- (1) Information that specifies and complements the provisions of section; Instruction to Bidders must be incorporated.
- (2) Amendments and/or supplements, if any, to the provisions of Instructions to Bidders, necessitated by the circumstances of each individual contract, can be introduced only in this section since Instructions to Bidders will remain unchanged.

## Contact/Bidding Data

(This section should be filled in by the procuring agency before issuance of the bidding documents.) The following specific data for the works to be tendered shall complement, amend, or supplement the provisions in the Instructions to Bidders. Wherever there is a conflict, the provisions herein shall prevail over those in the Instructions to Bidders.

*[Instructions are provided, as needed, in italics.]*

Instructions to Bidders

Clause Reference

Name and address of the procuring agency: **OFFICE OF THE EXECUTIVE ENGINEER (CIVIL)  
SUKKUR WATER & SEWERAGE CORPORATION AT SUKKUR MUNICIPAL  
CORPORATION**

Name of the Project and Summary of the works:

### **(01) IMPROVEMENT OF DRAINAGE SYSTEM OF SUKKUR CITY (PHASE-IV)**

- 2.1 Name of the Borrower/Source of Financing/Funding Agency/Funding Source;  
*Government of Sindh Non-ADP*  
*[Insert the ADP No: (in case of PSDP) / name of Borrower and statement of relationship with the procuring agency, if different from the Borrower. This insertion should correspond to the information provided in the Invitation for Bids.]*
- 2.1 Amount and Type of Financing/Scheme Cost and Allocated Funds.
- 8.1 Time limit for clarification:  
Later than 5 Working Days prior to last date of submission.  
*[Minimum number of days to seek clarification by the interested bidder may be inserted as no later than 5 working days prior to last date of submission.]*
- 10.1 Bid language:  
English  
*[The same language in which the bidding documents are written in English, should be used in National/ International Competitive Bidding.]*
- 11.1 (a) Prequalification Information to be updated (where applicable):  
  
*[Indicate what items of information submitted with application for prequalification is to be updated. It may include but not limited to (i) Evidence of access to financial resources, (ii) latest status of financial resources commitment for two years (including the current year), (iii) works awarded during the interim period, (iv) availability of essential critical equipment, and (v) information about litigation presently in process.]*
- 11.1 (b) Furnish and Technical Proposal (*in case of two envelope method*) or Company Profile in single stage single envelope:

The bidder has to submit a technical proposal in sufficient detail to demonstrate the adequacy of the bid in meeting requirements for timely completion of the works.

## TECHNICAL EVALUATION CRITERIA

The Technical Bids shall be evaluated on the basis of parameters mentioned in the Tender Notice

- 13.1 *Bidders to quote entirely in Pak. rupees but specify the percentages of foreign currency they require, if applicable.*
- 14.1 Period of Bid Validity:  
90 Days  
*[Insert number of days after the deadline for bid opening. This period should be realistic, allowing sufficient time to evaluate the Bids, bearing in mind the complexity of works, and the time required for obtaining references, clarifications, clearances, and approvals (including the Financing Agency's "No Objection" if it is a bilateral or multilateral funding agency financed project) and for notification of the award. Normally the validity period should not exceed 90 days for NCB and 120 days for ICB.]*
- 15.1 Amount of Bid Security:  
5% of Bid  
*[This amount should be the same as also quoted in the Invitation for Bids. To avoid disclosure of bid price, a fixed sum should be specified, in preference to a percentage of the bid price. The sum has to be within the limits of 5% of estimated cost. The percentage should be lower in case of larger works and higher in case of smaller works, but not less than 1% and not exceed the limit of 5%.]*
- 17.1 Venue, time, and date of the pre-Bid meeting:  
Not Applicable  
*[Insert address of venue, or indicate that the meeting will not take place. The meeting should take place not later than 7days in case of NCB and no later than 15 days in case of ICB before the deadline for bid submission. It should take place concurrently with the site visit, if any (see Sub-Clause IB-6).]*
- 18.4 Number of copies of the bid to be completed and returned:  
01 Original Only  
*[Usually one original and ..... copies (number to be specified by the procuring agency)]*
- 19.2 (a) Procuring Agency's address for the purpose of bid submission:  
  
*Executive Engineer (Civil), Sukkur Water & Sewerage at Sukkur Municipal Corporation.  
[Should match the receiving address provided in the Invitation for Bids.]*
- (b) Name and Identification Number of the Contract: **071-9310307**
- 20.1 (a) Deadline for submission of bids:  
**22-05-2026 at 11:00**  
*[The time and date should be the same as that given in the Invitation for Bids unless subsequently amended pursuant to IB.20.2.]*
- (b) Venue, time, and date of bid opening:

**22-05-2026 at: 11:30** at Office of Executive Engineer (Civil), Sukkur Water & Sewerage Corporation at Sukkur Municipal Corporation.

*[Date should be the same as that given for the deadline for submission of Bids [IB.20] but time for opening of bids shall be at least thirty minutes after the time for the deadline for submission of bids, but not later than one hour].*

- 32.1 Standard form and amount of Performance Security acceptable to the procuring agency:

*Call Deposit / Pay Order / Bank Guarantee*

*[Select the kind of Performance Security (bank guarantee, call deposit, pay order), and indicate the amount/percentage. A bank guarantee has to be unconditional as given in the sample form given with the bidding document. An amount not more than 10 percent of the contract price is commonly specified for bank guarantees. This percentage should match with that stipulated in Appendix-A to Bid.]*

- 32.3 Stamp duty

0.35% will be paid by successful bidder as stamp duty.

*[% will depend upon the rules]*

**FORM OF BID  
AND  
APPENDICES TO BID**

## FORM OF BID

Bid Reference No. **IMPROVEMENT OF DRAINAGE SYSTEM OF SUKKUR CITY (PHASE-IV)**

(Name of Contract/Work)

To:

The Executive Engineer (Civil)  
 Sukkur Water & Sewerage Corporation

1. Having examined the bidding documents including Instructions to Bidders, Bidding Data, and Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda Nos. \_\_\_\_\_ for the execution of the above-named work, we/I, the undersigned, offer to execute and complete the work and remedy any defects therein in conformity with the Conditions of Contract, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) or such other sum as may be ascertained in accordance with the said conditions.
2. We/I understand that all the Appendices attached hereto form part of this bid.
3. As security for due performance of the undertakings and obligations of this bid, we/I submit herewith a bid security in the amount of Rupees \_\_\_\_\_ (Rs. \_\_\_\_\_) drawn in your favour or made payable to procuring agency and valid for a period of \_\_\_\_\_ days beginning from the date, bid is opened.
4. We/I undertake, if our bid is accepted, to commence the works and to complete the whole of the works comprised in the contract within the time stated in Appendix-A to Bid.
5. We/I agree to abide by this bid for the period of \_\_\_\_\_ days from the date fixed for opening the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this bid, together with your written acceptance thereof, shall constitute a binding contract between us.
7. We do hereby declare that the bid is made without any collusion, comparison of figures or arrangement with any other bidder for the works.

We understand that you are not bound to accept the lowest or any bid you may receive.

9. We undertake, if our/my bid is accepted, to execute the Performance Security referred to in Clause 10 of Conditions of Contract for the due performance of the Contract.

10. We confirm, if our bid is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the Contract and the composition or the constitution

of the joint venture shall not be altered without the prior consent of the procuring agency.  
*(Please delete this in case of Bid form a single bidder)*

in the capacity of \_\_\_\_\_ duly authorized to sign Bids for and on behalf of

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

Signature: \_\_\_\_\_

\_\_\_\_\_  
(Name of Bidder in Block Capitals)  
(Seal)

Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness:

Signature: \_\_\_\_\_  
Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Occupation: \_\_\_\_\_

## SPECIAL STIPULATIONS

## Clause

## Conditions of Contract

1.	Engineer representing Consulting Firm hired by the procuring agency to issue variation in case of emergency.	3.1	<i>Up to 2% of the contract price stated in the Letter of Acceptance.</i>
2.	Amount of Performance Security	4.2	<i>Up to 10% of contract price. Total amount including performance security and retention money deducted from bills should not exceed 10% of contract price stated in the Letter of Acceptance.</i>
3.	Time for Furnishing Programme	8.3	Within 42 days from the date of receipt of Letter of Acceptance.
4.	Minimum amount of Third Party Insurance	18.3	Rs. _____ per occurrence with number of occurrences unlimited.
5.	Time for Commencement	8.1	Within 14 days from the date of receipt of Engineer's Notice to Commence, this shall be issued within fourteen (14) days after signing of Contract Agreement.
6.	Time for Completion (works & sections)	8.2 & 10.2	_____ days from the date of receipt of Engineer's Notice to Commence.
7.	Amount of Liquidity Damages/Delay Damages/Penalties	8.7	-----Damages per day ( <i>are to be mentioned</i> ) but total amount will not be more than 10% of contract Price.
8.	Defects Liability Period	11.1	_____ days from the effective date of Taking Over Certificate.
9.	Percentage of Retention Money	14.2	10 % of the amount of Interim/Running Payment Certificate.
10.	Limit of Retention Money	14.2	5 % of Contract Price stated in the Letter of Acceptance.
11.	Minimum amount of Interim/Running Payment Certificates	14.2	Rs. _____
12.	Time of Payment from delivery of Engineer's Interim/Running Payment Certificate to the procuring agency.	14.7	30 days in case of local currency or 42 days in case of foreign funded projects.
13.	Mobilization Advance.	14.2	10% of Contract Price stated in the Letter of Acceptance.

**FOREIGN CURRENCY REQUIREMENTS**

1. The bidder may indicate herein below his requirements of foreign currency (if any), with reference to various inputs to the works.
2. Foreign Currency Requirement as percentage of the bid price excluding Provisional Sums \_\_\_\_\_%.
3. Table of Exchange Rates

Unit of Currency	Equivalent in Pak. Rupees
Australian Dollar	-----
Euro	-----
Japanese Yen	-----
U.K. Pound	-----
U.S. Dollars	-----
-----	-----
-----	-----

**PRICE ADJUSTMENT UNDER CLAUSE 70/13.8  
OF CONDITIONS OF CONTRACT**

**A. Weight ages or coefficients are used for price adjustment.**

The source of indices and the weight ages or coefficients for use in the adjustment formula under Clause 13.8 shall be as follows:

*(To be filled by the procuring agency)*

Cost Element	Description	Weight ages	Applicable index
1	2	3	4
(i)	Fixed Portion	0.350	
(ii)	Local Labor		Government of Pakistan (GoP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin.
(iii)	Cement – in bags		“ “ “
(iv)	Reinforcing Steel		“ “ “
(v)	High Speed Diesel (HSD)		“ “ “
(vi)	Bricks		“ “ “
(vii)	Bitumen		“ “ “
(viii)			
	Total	1.000	

**Notes:**

- 1) Indices for “(ii)” to “(vii)” are taken from the Government of Pakistan Federal Bureau of Statistics, Monthly Statistical Bulletin. The base cost indices or prices shall be those applying 15 days prior to the latest day for submission of bids. Current indices or prices shall be those applying 28 days prior to the last day of the billing period.
- 2) Any fluctuation in the indices or prices of materials other than those given above shall not be subject to adjustment of the Contract Price.
- 3) Fixed portion shown here is for typical road project, procuring agency to determine the weight age of Fixed Portion considering only those cost elements having cost impact of seven (7) percent or more on his specific project.

**B When Escalation is allowed on the materials only.**  
 Price adjustment on following items shall be allowed:

Cost Element	Description	Base price	Applicable index
1	2	3	4
(i)	Cement – in bags		Government of Pakistan (GoP) Federal Bureau of Statistics (FBS) Monthly Statistical Bulletin. “ “
(ii)	Reinforcing Steel		“ “ “
(iii)	Bricks		“ “ “
(iv)	Bitumen		“ “ “
(v)	Wood (Composite item)		“ “ “
	Total five items.		

|

## BILL OF QUANTITIES

### A. Preamble

1. The Bill of Quantities shall be read in conjunction with the Conditions of Contract, Specifications and Drawings.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work executed and measured by the Contractor and verified by the Engineer and valued at the rates and prices entered in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix as per the Contract ( in case of item not mentioned in Bill of Quantities).
3. The rates and prices entered in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the contract include all costs of contractor's plant, labour, supervision, materials, execution, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out or implied in the contract. Furthermore all duties, taxes and other levies payable by the contractor under the contract, or for any other cause, as on the date 14 days prior to deadline for submission of Bids in case of ICB/NCB respectively, shall be included in the rates and prices and the total bid price submitted by the bidder.
4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of items against which the contractor will have failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities and shall not be paid separately.
5. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the works.
6. General directions and description of work and materials are not necessarily repeated nor summarised in the Bill of Quantities. References to the relevant sections of the bidding documents shall be made before entering prices against each item in the priced Bill of Quantities.
7. Provisional sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with sub-clause 13.5 of Part I, General Conditions of Contract.

**BILL OF QUANTITIES (SAMPLE)**

**B. Work Items. (Road /PHE Work)\***

1. The Bill of Quantities contains the following Bills and Items:

Bill No. 1	-	Earthworks
Bill No. 2	-	Hard Crust and Surface Treatment
Bill No. 3	-	Culverts and Bridges
Bill No. 4	-	Subsurface Drains, Pipe Laying and Man holes
Bill No. 5	-	Tube wells, Pump houses and Compound wall
Bill No. 6	-	Miscellaneous Items

Day work Schedule

Summary Bill of Quantities

2. Bidders shall price the Bill of Quantities in Pakistani Rupees only.

*\*Procuring Agency can add and delete the Items as per its requirement.*

**BILL OF QUANTITIES (SAMPLE)\*****B. Work Items (Buildings)**

1. The Bill of Quantities contains the following Bills and Items:

Bill No. 1	-	Plinth and Foundation.
Bill No. 2	-	Ground floor.
Bill No. 3	-	First and Subsequent Floors.
Bill No. 4	-	Internal Water Supply and Sanitary Fittings.
Bill No. 5	-	Internal Electrification.
Bill No. 6	-	Miscellaneous Items
Bill No. 7	-	External Development

Day work Schedule

Summary Bill of Quantities

2. Bidders shall price the Bill of Quantities in Pakistani Rupees only.

\* *Procuring Agency can add and delete the Items as per its requirement*

**BILL OF QUANTITIES (SAMPLE)**

**Bill No. 1 Earthworks/Plinth and Foundation**

Item	Description	Unit	Quantity	Rate		Amount Rupees
				Rupees figures	in Rupees in words	
1	2	3	4	5		6
101						
102						
103						
104						
105						
106						
Total for Bill No. 1 (Carried forward to Summary Page) <hr style="display: inline-block; width: 200px; vertical-align: middle; margin-left: 20px;"/>						

**BILL OF QUANTITIES (SAMPLE)**

**Bill No. 2 Hard Crust and Surface Treatment /Ground Floor.**

Item	Description	Unit	Quantity	Rate		Amount Rupees
				Rupees figures	in Rupees in words	
1	2	3	4	5		6
201						
202						
203						
204						
205						
206						
Total for Bill No. 2 (Carried forward to Summary Page)						

**BILL OF QUANTITIES (SAMPLE)**

**Bill No. 3 Culverts and Bridges/First and Subsequent Floors**

Item	Description	Unit	Quantity	Rate		Amount
				Rupees in figures	Rupees in words	Rupees
1	2	3	4	5		6
301						
302						
303						
304						
305						
306						
Total for Bill No. 3 (Carried forward to Summary Page)						

**BILL OF QUANTITIES (SAMPLE)**

**Bill No. 4 Subsurface Drains/ Pipe Laying and Man holes/Internal water Supply and Sanitary Fittings**

Item	Description	Unit	Quantity	Rate		Amount
				Rupees in figures	Rupees in words	Rupees
1	2	3	4	5		6
401						
402						
403						
404						
205						
406						
Total for Bill No. 4 (Carried forward to Summary Page)						

**BILL OF QUANTITIES (SAMPLE)****Bill No. 5 Tube wells and Pump-houses/Internal Electrification**

Item	Description	Unit	Quantity	Rate		Amount Rupees
				Rupees in figures	Rupees in words	
1	2	3	4	5		6
501						
502						
503						
504						
505						
506						
Total for Bill No. 5 Carried forward to Summary Page )						

**BILL OF QUANTITIES (SAMPLE)**

**Bill No. 6 - Miscellaneous Items**

Item	Description	Unit	Quantity	Rate		Amount Rupees
				Rupees in figures	Rupees in words	
1	2	3	4	5		6
601	Mobilization Cost					
602						
603						
604						
605						
606						
Total for Bill No. 6 Carried forward to Summary Page )						

**BILL OF QUANTITIES (SAMPLE)**

**Bill No. 7 External Development**

Item	Description	Unit	Quantity	Rate		Amount Rupees
				Rupees in figures	Rupees in words	
1	2	3	4	5		6
601	Items of water supply & drainage					
602	Paths & parks					
603	External electrification					
604						
605						
606						
Total for Bill No. 7						
Carried forward to Summary Page ) _____						

**BILL OF QUANTITIES****C. Day work Schedule****General**

1. Reference is made to Sub-Clause 13.6 of the General Conditions of Contract. Work shall not be executed on a day work basis except by written order of the Engineer. Bidders shall enter basic rates for day work items in the Schedules, which rates shall apply to any quantity of day work ordered by the Engineer. Nominal quantities have been indicated against each item of day work, and the extended total for day work shall be carried forward to the bid price.

**Day work Labour**

2. In calculating payments due to the contractor for the execution of day work, the actual time of classes of labour directly doing the day work ordered by the Engineer and for which they are competent to perform will be measured excluding meal breaks and rest periods. The time of gangers (charge hands) actually doing work with the gang will also be measured but not the time of foreman or other supervisory personnel.
3. The contractor shall be entitled to payment in respect of the total time that labour is employed on day work, calculated at the basic rates entered by him in the Schedule of day work Rates for labour together with an additional percentage, payment on basic rates representing the contractor's profit, overheads, etc., as described below:
  - a) the basic rates for labour shall cover all direct costs to the contractor, including (but not limited to) the amount of wages paid to such labour, transportation time, overtime, subsistence allowances and any sums paid to or on behalf of such labour for social benefits in accordance with Pakistan law. The basic rates will be payable in local currency only; and
  - b) the additional percentage payment to be quoted by the bidder and applied to costs incurred under (a) above shall be deemed to cover the contractor's profit, overheads, superintendence, liabilities and insurances and allowances to labour timekeeping and clerical and office work; the use of consumable stores, water, lighting and power; the use and repair of staging's, scaffolding, workshops and stores, portable power tools, manual plant and tools; supervision by the contractor's staff, foremen and other supervisory personnel; and charges incidental to the foregoing.

## Appendix-D to Bid

## SCHEDULE OF DAYWORK RATES

## I. Labour

Item No.	Description	Unit	Nominal Quantity	Rate (Rs) in Figure	Rate (Rs) in Words	Extended Amount (Rs.)
1	2	3	4	5	6	7
D101	Ganger	Hr	500			
D102	Labourer	Hr	5,000			
D103	Brick layer	Hr	500			
D104	Mason	Hr	500			
D105	Carpenter	Hr	500			
D106	Steel work Erector	Hr	500			
	-----etc-----	Hr	500			
D113	Driver for vehicle up to 10 tons	Hr	1,000			
D114	Operator for excavator, dragline, shovel or crane	Hr	500			
D115	Operator for tractor, (tracked) with dozer blade or ripper	Hr	500			
D122	<b>Sub Total</b>					
	Allow _____ percent of subtotal for Contractor's overhead, profit, etc, in accordance with Paragraph 3(b) of Day work Schedule _____					
	Total for Day work: Labour : _____					
	(Carried forward to Day work Summary)					

**Day work Material**

4. The contractor shall be entitled to payment in respect of materials used for day work (except for materials for which the cost is included in the percentage addition to labour costs as detailed heretofore), at the basic rates entered by him in the Schedule of Day work Rates for materials together with an additional percentage payment on the basic rates to cover overhead charges and profit, as follows:
  - a) the basic rates for materials shall be calculated on the basis of the invoiced price, freight, insurance, handling expenses, damage, losses, etc., and shall provide for delivery to store for stockpiling at the site. The basic rates shall be stated in local currency but payment will be made in the currency or currencies expended upon presentation of supporting documentation;
  - b) the additional percentage payment shall be quoted by the bidder and applied to the equivalent local currency payments made under Sub-Para(a) above; and
  - c) the cost of hauling materials used on work ordered to be carried out as Day work from the store or stockpile on the site to the place where it is to be used will be paid in accordance with the terms for Labour and Constructional Plant in this Schedule.

## SCHEDULE OF DAYWORK RATES

## II. Materials

Item No.	Description	Unit	Nominal Quantity	Rate (Rs) in Figure	Rate (Rs) in Words )	Extended Amount (Rs.)
1	2	3	4	5	6	7
D201	Cement, ordinary Portland or equivalent in bags	M:Ton	200			
D202	Mild Steel reinforcing bar up to 16mm diameter to BS 4449 or equivalent	M:Ton	100			
D203	Fine aggregate for concrete as specified in Clause _____	Cu: M	1,000			
D204	-----etc-----					
D222	Gelignite (Noble Special Gelatine 60 % or equivalent) including caps, fuse, wire and requisite accessories	M:Ton	10			
D223	<b>Sub Total</b>					
	Allow _____ percent of subtotal for Contractor's overhead, profit, etc., in accordance with Paragraph 4(b) of Day work Schedule _____					
	Total for Day work: Materials _____					
	(Carried forward to Day work Summary)					

**Day Work Constructional Plant**

5. The contractor shall be entitled to payments in respect of constructional plant already on site and employed on Day work at the basic rental rates entered by him in the Schedule of Day work Rates for constructional plant. The said rates shall be deemed to include complete allowance for depreciation, interest, indemnity and insurance, repairs, maintenance, supplies, fuel, lubricants, and other consumables, and all overhead, profit and administrative costs related to the use of such equipment. The cost of drivers, operators and assistants will be paid for separately as described under the section on Day work Labour.
6. In calculating the payment due to the Contractor for constructional plant employed on Day work, only the actual number of working hours will be eligible for payment, except that where applicable and agreed with the Engineer, the travelling time from the part of the site where the constructional plant was located when ordered by the Engineer to be employed on Day work and the time for return journey thereto shall be included for payment.
7. The basic rental rates for constructional plant employed on Day work shall be stated in Pakistani Rupees.

## Appendix-D to Bid

## SCHEDULE OF DAYWORK RATES

## III. Constructional Plant

Item No.	Description	Unit	Nominal Quantity	Rate (Rs.) in Figure	Rate Rs. in Words	Extended Amount (Rs.)
1	2	3	4		5	6
D301	Excavator ,face shovel or dragline:					
	1. Up-to and including 1 Cu.M.	Hr	500			
	2. Over 1 Cu.M to 2 Cu. M.	Hr	400			
	3. Over 2 Cu. M	Hr	100			
D302	Tractor (tracked) including bull or angle dozer:					
	1. Up-to and including 150 HP	Hr	500			
	2. Over 150 to 200 HP	Hr	400			
	3. Over 200 to 250 HP	Hr	200			
D303	Tractor with ripper:					
	1. Up-to and including 200 HP	Hr	400			
	2. Over 200 to 250 HP	Hr	200			
D304	-----etc-----					
	Total for day work: Constructional Plant _____ (Carried forward to day work summary)					

**DAYWORK****Summary (Day work)**

		<b>Amount (Rs.)</b>
(I)	Total for day work: Labour	_____
(II)	Total for day work: Materials	_____
(III)	Total for day work: Constructional Plant	_____
Total for day work (Carried forward to summary page of Bill of Quantities)		_____

**BILL OF QUANTITIES (SAMPLE)****SUMMARY**

	▪ Amount (Rs.)
Bill No. 1:	Earthworks/Plinth and Foundation
Bill No. 2:	Culverts and Bridges/Ground Floor
Bill No. 3:	Subsurface Drains/Internal Water Supply & Sanitary Fittings
Bill No 4:	Subsurface Drains/ Pipe Laying and Man holes/Internal water Supply and Sanitary Fittings
Bill No. 5	Tube wells and Pump-houses/Internal Electrification
Bill No. 6	Miscellaneous Items
Bill No. 7	External Development
	_____
Sub-Total of Bills	_____
Day work	_____
Bid Price	_____

Note: All Provisional Sums are to be expended in whole or, in part at the direction and discretion of the Engineer in accordance with Sub-Clauses 52.4 and 58.2 of the General Conditions of Contract Part- I.

Appendix-E to Bid

**PROPOSED CONSTRUCTION SCHEDULE**

Pursuant to Sub-Clause 43.1 of the General Conditions of Contract, the works shall be completed on or before the date stated in Appendix-A to Bid. The bidder shall provide as Appendix-E to Bid, the Construction Schedule in the bar chart (CPM, PERT or any other to be specified herein) showing the sequence of work items and the period of time during which he proposes to complete each work item in such a manner that his proposed programme for completion of the whole of the works and parts of the works may meet procuring agency's completion targets in days noted below and counted from the date of receipt of Engineer's Notice to Commence (Attach sheets as required for the specified form of Construction Schedule):

<u>Description</u>	<u>Time for Completion</u>
1) Whole works	_____ days
2) Part-A	_____ days
3) Part-B	_____ days
4) _____	_____ days
5) _____	_____ days

**METHOD OF PERFORMING THE WORK**

[The bidder is required to submit a narrative outlining the method of performing the work. The narrative should indicate in detail and include but not be limited to:

1. Organization Chart indicating head office and field office personnel involved in management and supervision, engineering, equipment maintenance and purchasing.
2. Mobilization in Pakistan, the type of facilities including personnel accommodation, office accommodation, provision for maintenance and for storage, communications, security and other services to be used.
3. The method of executing the works, the procedures for installation of equipment and machinery and transportation of equipment and materials to the site.

**LIST OF MAJOR EQUIPMENT – RELATED ITEMS**

[The bidder will provide on Sheet 2 of this Appendix a list of all major equipment and related items, under separate heading for items owned, to be purchased or to be arranged on lease by him to carry out the works. The information shall include make, type, capacity, and anticipated period of utilization for all equipment which shall be in sufficient detail to demonstrate fully that the equipment will meet all requirements of the Specifications.]

Appendix-G to Bid

**LIST OF MAJOR EQUIPMENT (SAMPLE)**

<b>Owned Purchased or Leased</b>	<b>Description of Unit (Make, Model, Year)</b>	<b>Capacity HP Rating</b>	<b>Condition</b>	<b>Present Location or Source</b>	<b>Date of Delivery at Site</b>	<b>Period of Work on Project</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
a. Owned						
b. To be Purchased						
c. To be arranged on Lease						

**CONSTRUCTION CAMP AND HOUSING FACILITIES**

The Contractor in accordance with Clause 6 of the Conditions of Contract shall provide description of his construction camp's facilities and staff housing requirements.

The contractor shall be responsible for pumps, electrical power, water and electrical distribution systems, and sewerage system including all fittings, pipes and other items necessary for servicing the contractor's construction camp.

The bidder shall list or explain his plans for providing these facilities for the service of the contract as follows:

1. Site Preparation (clearing, land preparation, etc.).
2. Provision of Services.
  - a) Power (expected power load, etc.).
  - b) Water (required amount and system proposed).
  - c) Sanitation (sewage disposal system, etc.).
3. Construction of Facilities
  - a) Contractor's Office. Workshop and Work Areas (areas required and proposed layout, type of construction of buildings, etc.).
  - b) Warehouses and Storage Areas (area required, type of construction and layout).
  - c) Housing and Staff Facilities (Plans for housing for proposed staff, layout, type of construction, etc.).
4. Construction Equipment Assembly and Preparation (detailed plans for carrying out this activity).
5. Other Items Proposed (Security services, etc.).

**Appendix-I to Bid**

**LIST OF SUBCONTRACTORS**

I/We intend to subcontract the following parts of the work to subcontractors. In my/our opinion, the subcontractors named hereunder are reliable and competent to perform that part of the work for which each is listed.

Enclosed are documentation outlining experience of subcontractors, the curriculum vitae and experience of their key personnel who will be assigned to the contract, equipment to be supplied by them, size, location and type of contracts carried out in the past.

<b>Part of Works (Give Details)</b>	<b>Subcontractor (With Complete Address)</b>
<b>1</b>	<b>2</b>

## Appendix-J to Bid

**ESTIMATED PROGRESS PAYMENTS (SAMPLE)**

Bidder's estimate of the value of work which would be executed by him during each of the periods stated below, based on his Programme of the works and the Rates in the Bill of Quantities, expressed in Pakistani Rupees:

<b>Quarter/ Year/ Period</b>	<b>Amounts (in thousands)</b>
<b>1</b>	<b>2</b>
Ist Quarter	
2 <sup>nd</sup> Quarter	
3 <sup>rd</sup> Quarter	
4 <sup>th</sup> Quarter	
5 <sup>th</sup> Quarter	
6 <sup>th</sup> Quarter	
7 <sup>th</sup> Quarter	
8 <sup>th</sup> Quarter	
9 <sup>th</sup> Quarter	
<b>Bid Price</b>	

**ORGANIZATION CHART  
FOR THE  
SUPERVISORY STAFF AND LABOUR**

(To be filled in by the bidder)

(INTEGRITY PACT)

**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC; PAYABLE BY CONTRACTORS.**

(FOR CONTRACTS WORTH RS. 10.00 MILLION OR MORE)

Contract No. 01 Dated \_\_\_\_\_

Contract Value: 764.774 (M)

Contract Title: **IMPROVEMENT OF DRAINAGE SYSTEM OF SUKKUR CITY (PHASE-IV)**

..... [name of Contractor] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, the Contractor represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

The Contractor] accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

The Contractor accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, The Contractor agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from PA.

.....  


[Executive Engineer]

[Contractor]

**FORMS**

**BID SECURITY  
PERFORMANCE SECURITY  
CONTRACT AGREEMENT  
MOBILIZATION ADVANCE GUARANTEE  
INDENTURE BOND FOR SECURED ADVANCE**

**BID SECURITY**  
**(Bank Guarantee)**

Security Executed on \_\_\_\_\_  
(Date)

Name of Surety (Bank) with Address: \_\_\_\_\_  
(Scheduled Bank in Pakistan)

Name of Principal (Bidder) with Address \_\_\_\_\_

Penal Sum of Security Rupees. \_\_\_\_\_ (Rs. \_\_\_\_\_)

Bid Reference No. \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the bid and at the request of the said Principal (Bidder) we, the Surety above named, are held and firmly bound unto \_\_\_\_\_

(hereinafter called the 'Procuring Agency') in the sum stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Bidder has submitted the accompanying bid dated \_\_\_\_\_ for Bid No. \_\_\_\_\_ for \_\_\_\_\_ (Particulars of Bid) to the said Procuring Agency; and

WHEREAS, the Procuring Agency has required as a condition for considering said bid that the **bidder** furnishes a bid security in the above said sum from a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, to the procuring agency, conditioned as under:

- (1) that the bid security shall remain in force up to and including the date 28 days after the deadline for validity of bids as stated in the Instructions to bidders or as it may be extended by the procuring agency, notice of which extension(s) to the Surety is hereby waived;
- (2) that the bid security of unsuccessful bidders will be returned by the procuring agency after expiry of its validity or upon signing of the Contract Agreement; and
- (3) that in the event of failure of the successful bidder to execute the proposed Contract Agreement for such work and furnish the required Performance Security, the entire said sum be paid immediately to the said procuring agency pursuant to Clause 15.6 of the Instruction to bidders for the successful bidder's failure to perform.

NOW THEREFORE, if the successful bidder shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract with the said procuring agency in accordance with his bid as accepted and furnish within twenty eight (28) days of his being requested to do so, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said procuring agency for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said bid within the time specified for its validity then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT the Surety shall forthwith pay the procuring agency, the said sum upon first written demand of the procuring agency (without cavil or argument) and without requiring the procuring agency to prove or to show grounds or reasons for such demand,

notice of which shall be sent by the procuring agency by registered post duly addressed to the Surety at its address given above.

PROVIDED ALSO THAT the procuring agency shall be the sole and final judge for deciding whether the Principal (Bidder) has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Surety shall pay without objection the said sum upon demand from the procuring agency forthwith and without any reference to the Principal (Bidder) or any other person.

IN WITNESS WHEREOF, the above bounden Surety has executed the instrument under its seal on the date indicated above, the name and seal of the Surety being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

SURETY (Bank)

WITNESS:

Signature \_\_\_\_\_

1. \_\_\_\_\_

Name \_\_\_\_\_

\_\_\_\_\_

Title \_\_\_\_\_

Corporate Secretary (Seal)

Corporate Guarantor (Seal)

2. \_\_\_\_\_

\_\_\_\_\_  
Name, Title & Address

**FORM OF PERFORMANCE SECURITY  
(Bank Guarantee)**

Guarantee No. \_\_\_\_\_  
Executed on \_\_\_\_\_  
Expiry date \_\_\_\_\_

[Letter by the Guarantor to the Procuring Agency]

Name of Guarantor (Bank) with address: \_\_\_\_\_  
(Scheduled Bank in Pakistan)

Name of Principal (Contractor) with address: \_\_\_\_\_

Penal Sum of Security (express in words and figures) \_\_\_\_\_

Letter of Acceptance No. \_\_\_\_\_ Dated \_\_\_\_\_

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the bidding documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the \_\_\_\_\_ (hereinafter called the procuring agency) in the penal sum of the amount stated above for the payment of which sum well and truly to be made to the said procuring agency, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the procuring agency's above said Letter of Acceptance for \_\_\_\_\_ (Name of Contract) for the \_\_\_\_\_ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the procuring agency, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 49, Defects Liability, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, \_\_\_\_\_ (the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the procuring agency without delay upon the procuring agency's first written demand without

cavil or arguments and without requiring the procuring agency to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the procuring agency's written declaration that the Principal has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to Procuring Agency's designated Bank & Account Number.

PROVIDED ALSO THAT the procuring agency shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the procuring agency forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above-bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

	_____ Guarantor (Bank)
Witness:	
1. _____	Signature _____
_____	Name _____
Corporate Secretary (Seal)	Title _____
2. _____	
_____	_____
Name, Title & Address	Corporate Guarantor (Seal)

## FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the —Agreement) made on the \_\_\_\_ day of \_\_\_\_\_ 200 \_\_\_\_ between **Sukkur Water & Sewerage Corporation** (hereinafter called the —Procuring Agency) of the one part and M/s \_\_\_\_\_ (hereinafter called the Contractor) of the other part.

WHEREAS the Procuring Agency is desirous that certain works, viz **IMPROVEMENT OF DRAINAGE SYSTEM OF SUKKUR CITY (PHASE-IV)** should be executed by the Contractor and has accepted a bid by the Contractor for the execution and completion of such works and the remedying of any defects therein.

NOW this Agreement witnesseth-- as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents after incorporating addenda, if any, except those parts relating to Instructions to bidders shall be deemed to form and be read and construed as part of this Agreement, viz:
  - (a) The Contract Agreement;
  - (b) The Letter of Acceptance;
  - (c) The completed Form of Bid;
  - (d) Special Stipulations (Appendix-A to Bid);
  - (e) The Special Conditions of Contract – Part II;
  - (f) The General Conditions – Part I;
  - (g) The priced Bill of Quantities (Appendix-D to Bid);
  - (h) The completed Appendices to Bid (B, C, E to L);
  - (i) The Drawings;
  - (j) The Specifications.
  - (k) \_\_\_\_\_(any other)
3. In consideration of the payments to be made by the procuring agency to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the procuring agency to execute and complete the works and remedy defects therein in conformity and in all respects with the provisions of the contract.
4. Procuring agency hereby covenants to pay the contractor, in consideration of the execution and completion of the works as per provisions of the contract, the contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor

Signature of Procuring Agency

\_\_\_\_\_  
(Seal)

\_\_\_\_\_  
(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

Witness:

\_\_\_\_\_  
(Name, Title and Address)

\_\_\_\_\_  
(Name, Title and Address)

## MOBILIZATION ADVANCE GUARANTEE

Bank Guarantee No. \_\_\_\_\_ Date \_\_\_\_\_

WHEREAS \_\_\_\_\_ (hereinafter called the 'Procuring Agency') has entered into a Contract for \_\_\_\_\_  
 \_\_\_\_\_ (Particulars of Contract)  
 with \_\_\_\_\_ (hereinafter called the "Contractor").

AND WHEREAS, the Procuring Agency has agreed to advance to the Contractor, at the Contractor's request, an amount of Rupees \_\_\_\_\_ (Rs \_\_\_\_\_) which amount shall be advanced to the Contractor as per provisions of the Contract.

AND WHEREAS, the Procuring Agency has asked the Contractor to furnish Guarantee to secure the mobilization advance for the performance of his obligations under the said Contract.

AND WHEREAS, \_\_\_\_\_  
 \_\_\_\_\_ (Scheduled Bank in Pakistan)  
 (hereinafter called the "Guarantor") at the request of the Contractor and in consideration of the **procuring agency** agreeing to make the above advance to the Contractor, has agreed to furnish the said Guarantee.

NOW, THEREFORE, the Guarantor hereby guarantees that the Contractor shall use the advance for the purpose of above mentioned Contract and if he fails and commits default in fulfilment of any of his obligations for which the advance payment is made, the Guarantor shall be liable to the procuring agency for payment not exceeding the aforementioned amount.

Notice in writing of any default, of which the procuring agency shall be the sole and final judge, on the part of the Contractor, shall be given by the procuring agency to the Guarantor, and on such first written demand, payment shall be made by the Guarantor of all sums then due under this Guarantee without any reference to the Contractor and without any objection.

This Guarantee shall remain in force until the advance is fully adjusted against payments from the Interim Payment Certificates of the Contractor or until \_\_\_\_\_ whichever is earlier.

(Date)

The Guarantor's liability under this Guarantee shall not in any case exceed the sum of Rupees \_\_\_\_\_ (Rs \_\_\_\_\_).

This Guarantee shall remain valid up to the aforesaid date and shall be null and void after the aforesaid date or earlier if the advance made to the Contractor is fully adjusted against payments from Interim Payment Certificates of the Contractor provided that the Guarantor agrees that the aforesaid period of validity shall be deemed to be extended if on the above mentioned date the advance payment is not fully adjusted.

GUARANTOR

- 1. Signature \_\_\_\_\_
- 2. Name \_\_\_\_\_
- 3. Title \_\_\_\_\_

WITNESS

1. \_\_\_\_\_  
\_\_\_\_\_  
Corporate Secretary (Seal)

2. \_\_\_\_\_  
(Name Title & Address)

\_\_\_\_\_ Corporate Guarantor (Seal)

**INDENTURE FOR SECURED ADVANCES.**

(For use in cases in which is contract is for finished work and the contractor has entered into an agreement for the execution of a certain specified quantity of work in a given time).

This INDENTURE made the ..... day of .....  
..... 20..... BETWEEN (hereinafter called "the Contractor" which expression shall where the context so admits or implied be deemed to include his heirs, executors, administrators and assigns) of the one part and THE GOVERNOR OF SINDH (hereinafter called "the Government" of the other part).

WHEREAS by an agreement, dated (hereinafter called the said agreement, the contractor has agreed to perform the under-mentioned works (hereinafter referred to as the said work):-

(Here enter (the description of the works).<sup>1</sup>

AND WHEREAS the contractor has applied to the .....  
.....for an advance to him of Rupees .....  
(Rs. ....) on the security of materials absolutely belonging to him and brought by him to the site of the said works the subject of the said agreement for use in the construction of such of the said works as he has undertaken to execute at rates fixed for the finished work (inclusive of the cost of materials and labour and other charge) AND WHEREAS the Government has agreed to advance to the Contractor the sum of Rupees, (Rs. ....) on the security of materials the quantities and other particulars of which are detailed in Part II of Running Account Bill (B). the said works signed by the contractor  
Fin R.Form.17.A

On ..... and on such covenants and conditions as are hereinafter contained and the Government has reserved to itself the option of marking any further advance or advances on the security of other materials brought by the Contractor to the site of the said works.

NOW THIS INDENTURE WTTNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupees.....  
(Rs. ....) on or before the execution of these presents paid to the Contractor by the Government (the receipt whereof the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as aforesaid (all of which advances are hereinafter collectively referred to as the said amount) the Contractor doth hereby assign unto the Government the said materials by way of security for the said amount

And doth hereby covenant and agree with the Government and declare ay follow :-

(1) That the said sum of Rupees. .... RS.  
..... ) so advanced by the Government to the Contractor as aforesaid and all or any further sum or sums which may be advanced as aforesaid shall be employed by the contractor in or towards expending the execution of the said works and for no other purpose whatsoever.

(2) That the materials detailed in the said Running Account Bill (B) which have been offered to and accepted by (he Government as security for the said amount are

absolutely by the Contractors own property free from encumbrances of any kind and the Contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the contractor hereby agrees, at all times, to indemnify and save harmless the Government against all claims whatsoever to any materials in respect of which an advance has been made to him as aforesaid.

(3) That the said materials detailed in the said Running Account Bill (B) and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereinafter called the said materials) shall be used by the Contractor solely in *the* execution of the said works in accordance with the directions of the Divisional Officer (hereinafter called the Divisional Officer) and in the terms of the said agreement.

(4) That the Contractor shall make at his own cost all necessary and adequate arrangement for the proper watch, safe custody and protection against all risks of the said material and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and at his own risk and on his own responsibility and shall at all times be open to inspection by (he Divisional Officer or any officer authorized by him. In the event of the said materials of any part (hereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof Contractor will forthwith replace the same with other materials of like quality or repair and make good the same as required by the Divisional Officer and the materials so brought to replace the said materials so repaired and made good shall also be considered as security for the said amount.

(5) 'Hurt the said materials shall not on any account be removed from the site of the said works except with the written permission of the Divisional Officer or an officer authorized by him in that behalf

(6) That the said amount shall be payable in full when or before the Contractor receives payment, from the Government of the price payable to him for the said works under the terms and provisions of the said agreement PROVIDED THAT if any intermediate payments are made to the contractor on account of work done then on the occasion of each such payment the Government will be at liberty to make a recovery from the Contractors Bill for such payment by deducting there from in the value of the said materials (hen actually used in the construction and in respect of which recovery has not been made previously the value for this purpose being determined in respect of each description of material at (he rates at which the amount of the advances made under these presents were calculated.

(7) at if the Contractor shall at any time make any default in the performance or observation in any respect of any of the terms and provisions of the said

agreement or of these presents the total amount of the advance or advances that may still be owing to the Government shall immediately on the happening of such default be repayable by the Contractor to the Government together with interest thereon at twelve percent per annum from the date or respective dates of such advance or advances to the date or repayment and with all costs, charges, damages and expenses incurred by the Government in or for the recovery thereof or the

enforcement of this security or otherwise by reason of (he default of the Contractor and any moneys so becoming due and payable shall constitute a debt due from the Contractor to the Government and the Contractor hereby covenants and agrees with the Government to repay and the same respectively to it accordingly.

(8) That the Contractor hereby charges all the said materials with the repayment to the Government of the said sum of Rupees .....

(Rs. .... ) and any further sum or sums which may be advanced as aforesaid and a l l costs charges damages and expenses payable under these present PROVIDED ALWAYS and it is hereby agreed and declared that not, withstanding anything in the said agreement and without prejudice to the powers contained therein if and whether the covenant for payment and repayment hereinbefore contained shall become enforceable and the money owing shall not be paid to accordingly.

Once there with the Government may at any time thereafter adopt all or any of following courses as it may deem best :-

(a) Seize and utilize the said materials or any part thereof in the completion of the said works on behalf of the Contractor in accordance with the provisions in that behalf contained in the said agreement debiting the Contractor with the actual cost of effecting such completion the amount due in respect of advances under these presents and crediting the Contractor with the value of work done as he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the Contractor he is to pay the same to the Government on demand.

(b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable to the Government under these presents and pay over the surplus (if any) to the Contractor.

(c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.

(9) That except as is expressly provided by the presents interest on the said advance shall not be payable.

(10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been hereinbefore expressly provided for the same shall be referred to the Superintending Engineer/Executive District Officer/Officer one grade higher to officer signed the agreement Circle whose..... decision shall be final and the provisions of the Arbitration Act 1940 for the time being in force so far as they are applicable shall apply to any such reference.

Singed, sealed and delivered by\*

In the presence of

SEAL

1<sup>st</sup> witness  
2<sup>nd</sup> witness

SEAL

1<sup>st</sup> Witness  
2<sup>nd</sup> Witness

## Notes on the Conditions of Contract

The Conditions of Contract comprise two parts:

- (a) Part I - General Conditions of Contract**
- (b) Part II - Special Conditions of Contract**

Over the years, a number of “model” General Conditions of Contract have evolved. The one used in these Standard Bidding Documents was prepared by the International Federation of Consulting Engineers (Federation International des Ingenieurs-Conseils, or FIDIC), and is commonly known as the FIDIC Conditions of Contract. (The used version is the harmonized Edition March 2006).

The FIDIC Conditions of Contract have been prepared for an ad measurement (unit price or unit rate) type of contract, and cannot be used without major modifications for other types of contract, such as lump sum, turnkey, or target cost contracts.

The standard text of the General Conditions of Contract chosen must be retained intact to facilitate its reading and interpretation by bidders and its review by the procuring agency. Any amendments and additions to the General Conditions, specific to the contract in hand, should be introduced in the Particular Conditions of Contract.

The use of standard conditions of contract for all civil works will ensure comprehensiveness of coverage, better balance of rights or obligations between procuring agency and Contractor, general acceptability of its provisions, and savings in time and cost for bid preparation and review, leading to more economic prices.

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\* Add the following text if the bidding documents, as issued, do not include a copy:

“Copies of the FIDIC Conditions of Contract can be obtained from:

To request such permission please contact:

FIDIC CASE POSTALE, CH-1215 Switzerland;

Tel. +41 22 799 49 00;

Fax; +41 22 799 49 01

E-mail: [fidic@fidic.org](mailto:fidic@fidic.org).

# Conditions of Contract for CONSTRUCTION

FOR BUILDING AND ENGINEERING  
WORKS DESIGNED BY THE EMPLOYER

Multilateral Development Bank Harmonised Edition  
March 2006

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INTERNATIONALE VEREINIGUNG BERATENDER INGENIEURE  
FEDERACION INTERNACIONAL DE INGENIEROS CONSULTORES



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# General Conditions

## General Provisions

### 1.1

#### Definitions

In the Conditions of Contract (“these Conditions”), which include Particular Conditions, Parts A and B, and these General Conditions, the following words and expressions shall have the meanings stated. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.

#### 1.1.1

The Contract 1.1.1.1 “Contract” means the Contract Agreement, the Letter of Acceptance, the Letter of Tender, these Conditions, the Specification, the Drawings, the Schedules, and the further documents (if any) which are listed in the Contract Agreement or in the Letter of Acceptance.

“Contract Agreement” means the contract agreement referred to in Sub-Clause 1.6 [ Contract Agreement ].

“Letter of Acceptance” means the letter of formal acceptance, signed by the Employer, of the Letter of Tender, including any annexed memoranda comprising agreements between and signed by both Parties. If there is no such letter of acceptance, the expression “Letter of Acceptance” means the Contract Agreement and the date of issuing or receiving the Letter of Acceptance means the date of signing the Contract Agreement.

“Letter of Tender” means the document entitled letter of tender or letter of bid, which was completed by the Contractor and includes the signed offer to the Employer for the Works.

“Specification” means the document entitled specification, as included in the Contract, and any additions and modifications to the specification in accordance with the Contract. Such document specifies the Works.

“Drawings” means the drawings of the Works, as included in the Contract, and any additional and modified drawings issued by (or on behalf of) the Employer in accordance with the Contract.

“Schedules” means the document(s) entitled schedules, completed by the Contractor and submitted with the Letter of Tender, as included in the Contract. Such document may include the Bill of Quantities, data, lists, and schedules of rates and/or prices.

“Tender” means the Letter of Tender and all other documents which the Contractor submitted with the Letter of Tender, as included in the Contract.

“Bill of Quantities”, “Daywork Schedule” and “Schedule of Payment Currencies” mean the documents so named (if any) which are comprised in the Schedules.

“Contract Data” means the pages completed by the Employer entitled contract data which constitute Part A of the Particular Conditions.

## 1.1.2

Parties and Persons 1.1.2.1 “Party” means the Employer or the Contractor, as the context requires.

“Employer” means the person named as employer in the Contract Data and the legal successors in title to this person.

“Contractor” means the person(s) named as contractor in the Letter of Tender accepted by the Employer and the legal successors in title to this person(s).

“Engineer” means the person appointed by the Employer to act as the Engineer for the purposes of the Contract and named in the Contract Data, or other person appointed from time to time by the Employer and notified to the Contractor under Sub-Clause 3.4 [ Replacement of the Engineer ].

“Contractor’s Representative” means the person named by the Contractor in the Contract or appointed from time to time by the Contractor under Sub-Clause 4.3 [ Contractor’s Representative ], who acts on behalf of the Contractor.

“Employer’s Personnel” means the Engineer, the assistants referred to in Sub-Clause 3.2 [ Delegation by the Engineer ] and all other staff, labour and other employees of the Engineer and of the Employer; and any other personnel notified to the Contractor, by the Employer or the Engineer, as Employer’s Personnel.

“Contractor’s Personnel” means the Contractor’s Representative and all personnel whom the Contractor utilises on Site, who may include the staff, labour and other employees of the Contractor and of each Subcontractor; and any other personnel assisting the Contractor in the execution of the Works.

“Subcontractor” means any person named in the Contract as a subcontractor, or any person appointed as a subcontractor, for a part of the Works; and the legal successors in title to each of these persons.

“DB” means the person or three persons appointed under Sub-Clause 20.2 [ Appointment of the Dispute Board ] or Sub-Clause 20.3 [ Failure to Agree on the Composition of the Dispute Board ].

“FIDIC” means the Fédération Internationale des Ingénieurs-Conseils, the international federation of consulting engineers.

“Bank” means the financing institution (if any) named in the Contract Data.

“Borrower” means the person (if any) named as the borrower in the Contract Data.

## 1.1.3

Dates, Tests, Periods  
and Completion

1.1.3.1 “Base Date” means the date 28 days prior to the latest date for submission and completion of the Tender.

“Commencement Date” means the date notified under Sub-Clause 8.1 [ Commencement of Works ].

“Time for Completion” means the time for completing the Works or a Section (as the case may be) under Sub-Clause 8.2 [ Time for Completion ], as stated in the Contract

Data (with any extension under Sub-Clause 8.4 [ Extension of Time for Completion ]), calculated from the Commencement Date.

“Tests on Completion” means the tests which are specified in the Contract or agreed by both Parties or instructed as a Variation, and which are carried out under Clause 9 [ Tests on Completion ] before the Works or a Section (as the case may be) are taken over by the Employer.

“Taking-Over Certificate” means a certificate issued under Clause 10 [ Employer’s Taking Over ].

“Tests after Completion” means the tests (if any) which are specified in the Contract and which are carried out in accordance with the Specification after the Works or a Section (as the case may be) are taken over by the Employer.

“Defects Notification Period” means the period for notifying defects in the Works or a Section (as the case may be) under Sub-Clause 11.1 [ Completion of Outstanding Work and Remedying Defects ], which extends over twelve months except if otherwise stated in the Contract Data (with any extension under Sub-Clause 11.3 [Extension of Defects Notification Period ]), calculated from the date on which the Works or Section is completed as certified under Sub-Clause 10.1 [ Taking Over of the Works and Sections ].

“Performance Certificate” means the certificate issued under Sub-Clause 11.9 [ Performance Certificate ].

1.1.3.9 “day” means a calendar day and “year” means 365 days.

#### 1.1.4

#### Money and Payments

1.1.4.1 “Accepted Contract Amount” means the amount accepted in the Letter of Acceptance for the execution and completion of the Works and the remedying of any defects.

“Contract Price” means the price defined in Sub-Clause 14.1 [ The Contract Price ], and includes adjustments in accordance with the Contract.

“Cost” means all expenditure reasonably incurred (or to be incurred) by the Contractor, whether on or off the Site, including overhead and similar charges, but does not include profit.

“Final Payment Certificate” means the payment certificate issued under Sub-Clause 14.13 [ Issue of Final Payment Certificate ].

“Final Statement” means the statement defined in Sub-Clause 14.11 [ Application for Final Payment Certificate ].

“Foreign Currency” means a currency in which part (or all) of the Contract Price is payable, but not the Local Currency.

“Interim Payment Certificate” means a payment certificate issued under Clause 14 [ Contract Price and Payment ], other than the Final Payment Certificate.

“Local Currency” means the currency of the Country.

“Payment Certificate” means a payment certificate issued under Clause 14 [ Contract Price and Payment ].

“Provisional Sum” means a sum (if any) which is specified in the Contract as a provisional sum, for the execution of any part of the Works or for the supply of Plant, Materials or services under Sub-Clause 13.5 [ Provisional Sums].

“Retention Money” means the accumulated retention moneys which the Employer retains under Sub-Clause 14.3 [ Application for Interim Payment Certificates ] and pays under Sub-Clause

14.9 [ Payment of Retention Money].

1.1.4.12 “Statement” means a statement submitted by the Contractor as part of an application, under Clause 14 [ Contract Price and Payment ], for a payment certificate.

1.1.5

Works and Goods

1.1.5.1 “Contractor’s Equipment” means all apparatus, machinery, vehicles and other things required for the execution and completion of the Works and the remedying of any defects. However, Contractor’s Equipment excludes Temporary Works, Employer’s Equipment (if any), Plant, Materials and any other things intended to form or forming part of the Permanent Works.

“Goods” means Contractor’s Equipment, Materials, Plant and Temporary Works, or any of them as appropriate.

“Materials” means things of all kinds (other than Plant) intended to form or forming part of the Permanent Works, including the supply-only materials (if any) to be supplied by the Contractor under the Contract.

“Permanent Works” means the permanent works to be executed by the Contractor under the Contract.

“Plant” means the apparatus, machinery and vehicles intended to form or forming part of the Permanent Works, including vehicles purchased for the Employer and relating to the construction or operation of the Works.

“Section” means a part of the Works specified in the Contract Data as a Section (if any).

“Temporary Works” means all temporary works of every kind (other than Contractor’s Equipment) required on Site for the execution and completion of the Permanent Works and the remedying of any defects.

“Works” mean the Permanent Works and the Temporary Works, or either of them as appropriate.

1.1.6

Other Definitions

1.1.6.1 “Contractor’s Documents” means the calculations, computer programs and other software, drawings, manuals, models and other documents of a technical nature (if any) supplied by the Contractor under the Contract.

“Country” means the country in which the Site (or most of it) is located, where the Permanent Works are to be executed.

“Employer’s Equipment” means the apparatus, machinery and vehicles (if any) made available by the Employer for the use of the Contractor in the execution of the Works, as stated in the Specification; but does not include Plant which has not been taken over by the Employer.

“Force Majeure” is defined in Clause 19 [ Force Majeure ].

“Laws” means all national (or state) legislation, statutes, ordinances and other laws, and regulations and by-laws of any legally constituted public authority.

“Performance Security” means the security (or securities, if any) under Sub-Clause 4.2 [ Performance Security].

“Site” means the places where the Permanent Works are to be executed, including storage and working areas, and to which Plant and Materials are to be delivered, and any other places as may be specified in the Contract as forming part of the Site..

“Unforeseeable” means not reasonably foreseeable by an experienced contractor by the Base Date.

“Variation” means any change to the Works, which is instructed or approved as a variation under Clause 13 [ Variations and Adjustments ].

## 1.2

### Interpretation

In the Contract, except where the context requires otherwise:

- (a) words indicating one gender include all genders;
- (b) words indicating the singular also include the plural and words indicating the plural also include the singular;
- (c) provisions including the word “agree”, “agreed” or “agreement” require the agreement to be record in writing;
- (d) “written” or “in writing” means hand-written, type-written, printed or electronically made, and resulting in a permanent record; and
- (e) the word “tender” is synonymous with “bid”, and “tenderer” with “bidder” and the words “tender documents” with “bidding documents”.

The marginal words and other headings shall not be taken into consideration in the interpretation of these Conditions.

In these Conditions, provisions including the expression “Cost plus profit” require this profit to be one-twentieth (5%) of this Cost unless otherwise indicated in the Contract Data.

## 1.3

### Communications

Wherever these Conditions provide for the giving or issuing of approvals, certificates, consents, determinations, notices, requests and discharges, these communications shall be:

- (a) in writing and delivered by hand (against receipt), sent by mail or courier, or transmitted using any of the agreed systems of electronic transmission as stated in the Contract Data; and
- (b) delivered, sent or transmitted to the address for the recipient’s communications as stated in the Contract Data. However:
  - (i) if the recipient gives notice of another address, communications shall thereafter be delivered accordingly; and
  - (ii) if the recipient has not stated otherwise when requesting an approval or consent, it may be sent to the address from which the request was

issued.

Approvals, certificates, consents and determinations shall not be unreasonably withheld or delayed. When a certificate is issued to a Party, the certifier shall send a copy to the other Party. When a notice is issued to a Party, by the other Party or the Engineer, a copy shall be sent to the Engineer or the other Party, as the case may be.

1.4  
Law and Language

The Contract shall be governed by the law of the country or other jurisdiction stated in the Contract Data.

The ruling language of the Contract shall be that stated in the Contract Data.

The language for communications shall be that stated in the Contract Data. If no language is stated there, the language for communications shall be the ruling language of the Contract.

1.5  
Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:

- (a) the Contract Agreement (if any),
- (b) the Letter of Acceptance,
- (c) the Tender,
- (d) the Particular Conditions - Part A,
- (e) the Particular Conditions - Part B,
- (f) these General Conditions,
- (g) the Specification,
- (h) the Drawings, and
- (i) the Schedules and any other documents forming part of the Contract.

If an ambiguity or discrepancy is found in the documents, the Engineer shall issue any necessary clarification or instruction.

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## PART II - SPECIAL /PARTICULAR CONDITIONS OF CONTRACT

### 1.1 Definitions

“Form of Bid” is synonymous with “Letter of Tender”.

“Bid” is synonymous with “Tender”.

“Bidding” is synonymous with “contract”.

*The following paragraph is added:*

“Programme” means the programme to be submitted by the contractor in accordance with Sub-Clause 8.3 and any approved revisions thereto.

1.12.2 “Employer” is synonymous with “Procuring Agency”

1.1.2.9 “DB” is synonymous with “Committee”.

1.1.3.1 Replace 28 days by 7 days in LCB and 15 days in ICB..

1.1.3.7 “Defects notification Period” is synonymous with “Defects liability Period”.

### 1.15 Inspections and Audit by the Bank

Deleted

*Procuring Agency can retain this clause with or without changes, in case of contracts under Project, Bank and donor’s programme.*

### 3.1 Engineer’s Duties and Authority.

*The following paragraph is added after duties:*

Procuring agency shall ensure that the Engineer’s Representative/Staff is a professional engineer as defined in the Pakistan Engineering Council Act 1975 (V of 1976)

### 4.3 Contractor’s Representative

*The following text is to be added after last line:*

The contractor’s authorised representative and his other professional engineers working at site shall register themselves with the Pakistan Engineering Council.

### 6.10 Records of Contractor’s Personnel and Equipment

*The following paragraph is added:*

The Contractor shall, upon request by the Engineer at any time in relation to any item

of hired Contractor's Equipment, forthwith notify the Engineer in writing the name and address of the Owner of the equipment and shall certify that the agreement for the hire thereof contains a provision in accordance with the requirements set forth above.

*The following sub-clause 7.9 is added in (GCC):*

## **7.9 Use of Pakistani Materials and Services**

The contractor shall, so far as may be consistent with the contract, make the maximum use of materials, supplies, plant and equipment indigenous to or produced or fabricated in Pakistan and services, available in Pakistan provided such materials, supplies, plant, equipment and services shall be of required standard.

## **8.1 Commencement of Works**

The last para is deleted and substituted with the following:

The contractor shall commence the works on site within the period named in Appendix-A to Bid from the date of receipt by him from the Engineer of a written Notice to Commence. Thereafter, the contractor shall proceed with the works with due expedition and without delay.

### **8.11 Prolonged Suspension**

Replace 84 days by 120 days.

### **Programme**

*The following text is to be added after [Commencement of Works]*

The programme shall be submitted in the either form of:

- a) Bar Chart identifying the critical activities.
- b) Critical Path Method (CPM) identifying the critical path/activities.
- c) Program Evaluation and Review Techniques (PERT).  
*(Procuring Agency to select appropriate one)*

### **13.1 Right to vary**

In the last line of Para, after the word "Variation", the word "in writing" is added.

### **13.3 Variation procedure**

In the tenth line, after the words "as soon as practicable" following is added:  
"and within a period not exceeding one-eighth of the completion time"

### **13.8 Adjustment for changes in cost**

*This clause will be applicable for Foreign funded Project/ Schemes or ICB Contracts (locally & foreign funded) only.*

*The following provision is added for Local funded Project/ Schemes/National Competitive Bidding Contracts:*

The amounts payable to the Contractor, pursuant to Sub-Clause 14.6, shall be adjusted in respect of the rise or fall in the cost of materials only, and will be paid to the contractor on those items mentioned in the **Appendix –C (B)**.

Similarly reduction in the cost of these materials will also be recovered from the contractor accordingly

The Contract Price Sub-para  
(d) is deleted.

**Advance Payment**

*The Text is deleted and replaced with following:*

Advance Payment/Mobilization Advance shall be made available to the Contractor by the procuring agency on following conditions:

**Mobilization Advance/Advance Payment**

- (i) Mobilization advance up to 10 % of the Contract Price may be paid by the procuring agency to the Contractor on the works costing Rs2.5 million or above on following conditions:
  - a. on submission by the Contractor of a mobilization advance guarantee for the full amount of the advance in the specified form, from a Scheduled Bank in Pakistan, acceptable to the procuring agency;
  - b. contractor shall pay interest on the mobilization advance at the rate of 10% per annum on the advance; and
- (ii) This Advance including the interest shall be recovered in 5 equal installments from the 5 R.A bills and in case the number of bills is less than 5 then 1/5 of the advance inclusive of the interest thereon shall be recovered from each bill and the balance together with interest be recovered from the final bill. It may be insured that there is sufficient amount in the final bill to enable recovery of the Mobilization Advance.

**14.5 Plants and Materials intended for Works**

*Add the following paragraph as sub-clause 14.5 (d) for Secured Advance on non – perishable materials and sub-clauses (a), (b) and (c) will be applicable for plants only :-*

- (I) The Contractor shall be entitled to receive from the procuring agency Secured Advance against an INDENTURE BOND in Public Works Account Form No.31 (Fin. R. Form No. 2) acceptable to the procuring agency of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the site but not yet incorporated in the Permanent Works provided that:
  - (i) The materials are in accordance with the specifications for the permanent works;
  - (ii) Such materials have been delivered to the site and are properly stored and protected against loss or damage or deterioration to the satisfaction and verification of the Engineer/Assistant Engineer but at the risk and cost of the Contractor;
  - (iii) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;
  - (iv) The Contractor shall submit with his monthly statement the estimated value of the materials on site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefore;

- (v) Ownership of such materials shall be deemed to vest in the procuring agency and these materials shall not be removed from the site or otherwise disposed of without written permission of the procuring agency;
- (vi) The sum payable for such materials on site shall not exceed 75 % of the (i) landed cost of imported materials, or (ii) ex-factory / ex-warehouse price of locally manufactured or produced materials, or (iii) market price of stands other materials;
- (vii) Secured Advance shall not be allowed unless and until the previous advance, if any, is fully recovered;
- (viii) Detailed account of advances must be kept in part II of running account bill or a separate statement; and
- (ix) Secured Advance may be permitted only against materials/quantities anticipated to be consumed / utilized on the work within a period of 3 months from the date of issue of secured advance and in no case for full quantities of materials for the entire work/contract.

**(II) Recovery of Secured Advance:**

Secured Advance paid on non-perishable materials to the Contractor under the above provisions shall be effected from the monthly payments on actual consumption basis, but not later than period specified in the rules not more than three months (even if unutilized);

**14.8 Delayed Payment**

*Second Para is replaced with following text:*

In the event of the failure of the Procuring Agency to make the payment within the time stated, the procuring agency shall pay to the contractor in case of **ICB contracts only**, the compensation at rate of KIBOR+2% per annum in local currency and Libor+1% for foreign currency, upon all sums to be paid from the date of which the same would have been paid.

**15.2 Termination by Employer**

*The following Para is added at the end of the sub-clause:*

Provided further, that in addition to the action taken by the procuring agency against the Contractor under this Clause, the procuring agency may also refer the case of default of the Contractor to Pakistan Engineering Council for punitive action under the Construction and Operation of Engineering Works Bye-Laws 1987, as amended from time to time.

**Corrupt and fraudulent Practices.**

*The following text is to be added as 3<sup>rd</sup> paragraph:*

*Successful Contractor has to provide Integrity Pact (for contracts worth Rs.10.0 million and above).*

If the Contractor or any of his Subcontractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Appendix-L to his Bid, then the procuring agency shall be entitled to:

- (a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Subcontractors, agents or servants;
- (b) terminate the Contract; and
- (c) recover from the Contractor any loss or damage to the procuring agency as a result of such termination or of any other corrupt business practices of the Contractor or any of his Subcontractors, agents or servants.

The termination under sub-para (b) of this Sub-Clause shall proceed in the manner prescribed under sub-clauses 15.2 & 15.5 and the payment under Sub-Clause 15.4 shall be made after having deducted the amounts due to the procuring agency under Sub-Para (a) and (c) of this Sub-Clause.

**16.4 Payment on Termination**

Sub-paragraph (c) is deleted.

**17.3 Employer's/ Procuring Agency's Risks**

Sub-Clause 17.3 (h) is deleted.

The following text is added in Clause 18.1 (GCC):

**18.1 General Requirements for Insurance**

The contractor shall be obliged to place all insurances relating to the contract (including, but not limited to, the insurances referred to in Clauses 18.1,18.2,18.3,18.4) with Insurance Company having at least AA rating from PACRA/JCR in favour of the Employer//Procuring Agency valid for a period 28 days after beyond the Bid Validity date.  
Costs of such insurances shall be borne by the contractor.

**19.6 Optional Termination, Payment and release by the Employer**

Sub-clauses (c), (d) and (e) are deleted.

**Arbitration**

*Text will be replaced as under;*

*Any dispute in respect of which:*

- (a) *the decision, of the Dispute Board has not become final and binding pursuant to sub-clause 20.2, and*
- (b) *amicable settlement has not been reached within the period stated in sub-clause 20.5, shall be finally settled, under the provisions of the Arbitration Act, 1940 as amended or any statutory modification/Rules of Conciliation And Arbitration PEC Islamabad or re-enactment thereof for the time being in force.*

The place of arbitration shall be ....., in Sindh Province.

*Procuring Agency can retain this clause without changes, in case of contracts under Project,*

*Bank and donor's programme except the place of arbitration shall be ....., in Sindh Province.*

**Annex PROCEDURAL RULES**

*Procuring Agency can retain these rules with or without changes, in case of contracts under Project, Bank and donor's programme.*

## PART II –SPECIAL/PARTICULAR CONDITIONS OF CONTRACT

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## **BILL OF QUANTITIES**

## **SPECIFICATIONS**

## **DRAWINGS**



# SUKKUR WATER & SEWERAGE CORPORATION

## BIDDING DATA Work No: 01

- (a). Name of Procuring Agency Sukkur Water & Sewerage Corporation
- (b). Brief Description of Works IMPROVEMENT OF DRAINAGE SYSTEM OF SUKKUR CITY (PHASE-IV)
- (c). Procuring Agency's address: at Sukkur Municipal Corporation
- (d). Estimated Cost: 764.774 (M)
- (e). Amount of Bid Security: Rs. 38.238 (M) or 5%
- (f). Period of Bid Validity (days): 90 Days
- (g). (i). Security Deposit:-(i/c bid security): 5.00% of Bid Security  
(ii). 5% Retention Money of bill amount will be deducted from Running Bill.
- (h). Percentage, if any, to be deducted from bills : (i) 8% or 5.5 % Income Tax  
(ii) 18% /5% Sales Tax (SRB)  
(Where Applicable)
- (i). Deadline for Submission of Bids along with time : 22-05-2026 at 11:00 am
- (j). Venue, Time and Date of Bid Opening: Office of the Executive Engineer (Civil) (Sukkur Water & Sewerage Corporation @ SMC at 11:30 am  
On: 22-05-2026
- (k). Time for Completion from written order of commence: 02 Years
- (l). Liquidity damages: 0.05 of Estimated Cost or Bid cost per day of delay, but total not exceeding 10%.
- (m). Earnest Money Vide Pay Order No: \_\_\_\_\_ Dated: \_\_\_\_\_  
Bank : \_\_\_\_\_ Rs: \_\_\_\_\_
- (n). Tender Document Cost Amount: Rs: 5,000/- (Rupees: Five Thousand Rupees Only)  
Vide Pay Order No: \_\_\_\_\_ Dated: \_\_\_\_\_
- (o). Bidding Document issued to: M/S: \_\_\_\_\_

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

CONTRACTOR



# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>A</b>	<b>Up-gradation of Shalimar Disposal Station (For Rain Water)</b>				
<b>i)</b>	<b>Construction of Pump House</b>				
<b>A</b>	<b>Schedule Items</b>				
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning and straightening the same.(GSI#, 20, P# 10)	73.125	P- Cft	229.72	16798.28
2	Dismantling cement concrete plain 1:2:4. (GSI# 19c, P# 10)	56.25	P- Cft	133.08	7485.75
3	Dismantling cement concrete plain 1:4:8. (GSI# 19 (a), P#10)	56.25	P- Cft	68.12	3831.75
4	Dismantling brick work in lime or cement mortar (GSI#, 13, P#10)	54.75	P- Cft	59.41	3252.70
5	Removing of cement or lime Plaster .(GSI# 53, P# 13)	1427.5	P-Sft	5.39	7694.23
6	Removing door with chowkat. (GSI # 33a, P# 12)	1	Per No	574.26	574.26
7	Removing window and sky light with chowkats. (GSI # 33b P-12)	2	Per No	465.31	930.62
8	Excavation in foundation of building bridges and other structures including dagbelling dressing, refilling around structure with excavated earth Watering and ramming lead upto 5 ft. (b) In Ordinary soil. (GSI# 18b, P# 4)	24	P- Cft	11.88	285.12
9	Cement Concrete brick or stone ballast 1-1/2" to 2" gauge. (b) Ratio 1:4:8 (GSI# 4b, P# 15)	162	P- Cft	296.69	48063.78
10	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C.C work in roof slab, beams columns rafts, lintels and other structural member laid in situ or precast laid in position complete in all respects. (I) Ratio (1:2:4) 90 lbs cement, 2 Cft Sand & 4 Cft Shingle 1/8" to 1/4" gauge. (GSI# 5i, P# 17)	343.375	P-Cft	717.59	246402.47

S. No	Items	Qty	Unit	Rate	Amount
11	Providing Fixing Mild Steel Reinforcement for cement concrete including cutting, bending laying in position making joints and fastening, cost of binding wire (also includes removal of rust from bars) (b) Using Tor bars. (GSI # 8b, P# 17)	10.4852	P-Cwt	18934.02	198527.00
12	Pacca brick work in foundation and plinth (e) cement sand mortar 1:6 (GSI# 4(I), P# 20)	674	P- Cft	359.20	242100.80
13	Pacca brick work in ground floor in (c) cement sand mortar 1:4 (GSI# 5(I), P# 21)	547.5	P- Cft	397.85	217822.88
14	Cement Plaster 1:4 upto 12ft height (b) 1/2" thick. (GSI# 11b, P#52)	1468.5	P-Sft	39.83	58490.36
15	Cement Plaster 1:4 upto 12ft height (a) 3/8" thick. . (GSI# 11a, P#52)	1468.5	P-Sft	37.78	55479.93
16	Rough Cost / Stucco Plaster 3/4" thick in position of 1:1-1/2":1-1/2" in cement hill sand and bajri in patterns. (GSI# 32, P# 55)	75.5	P-Sft	101.28	7646.64
17	Providing and laying 3" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels (GSI# 16.d, P# 42)	300	P-Sft	145.00	43500.00
18	Providing laying single per layer of polythene sheet 0.13mm thick for water proofing as per instruction of Engineer incharge (GSI# 38, P# 38)	497.25	P-Sft	24.01	11938.97
19	Two coats of bitumen laid hot using 34lbs for % Sft, over roof and blinded with sand at one cft per % Sft (GSI # 13, P# 35)	497.25	P-Sft	47.84	23788.44
20	Khaprial of cement concrete 12" x 8" x 1" of approved design/shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (GSI# 39, P# 38)	497.25	P-Sft	108.75	54075.94
21	Making & fixing steel grated doors complete with locking arrangement angle iron frame 2" x 2" 3/8" and 3/4" sq: bars 4" centre to centre. (GSI# 24,P#92)	68	P-Sft	2726.96	185433.28
22	Prime coat of chalk distempering + Distempering Three Coats (GSI# 23 + 24, P# 54)	300	P-Sft	27.01	8103.00
23	Preparing the surface and painting with weather coat I/c rubbing the surface with rubbing brick / sand Paper, filling the voids with chalk/ plaster of Paris and then painting with weather coat of approved make. (GSI # 38 A P-55) (ICI OR equivalent:) 2nd & subsequent coat (GSI # 36 B P-55) (ICI OR equivalent:)	1277.22	P-Sft	62.98	80439.32
24	Preparing the surface & painting with matt finish I/c rubbing the surface with Bathy (Silicon carbide rubbing brick) filling the voids with Zink / chalk/plaster of Paris mixture, applying first coat premix making the surface smooth and then painting 3 coats with matt finish of approved make etc: complete (new surface) (GSI # 36 A P-55) (ICI OR equivalent:)	700	P-Sft	75.05	52535.00

S. No	Items	Qty	Unit	Rate	Amount
25	Painting new surfaces (c ) preparing surface and painting of doors and windows any type (including edges) (i) Priming coat + (ii) Two coats of paint. (GSI#5c, P# 70)	68	P-Sft	24.00	1632.00
26	SR Cement	165	Each	40.00	6600.00
<b>B</b>	<b>Electrical Work, Schedule Items</b>				0.00
27	Wiring for light or fan point with (3/.029) PVC insulated wire in 20mm(3/4") PVC conduit recessed in the wall or column as required. (ESI# 124, P#15)	2	P-Point	6573.50	13147.00
29	Wire for plug point with (3/.029) PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.(ESI# 126 P#15)	2	P-Point	4372.29	8744.58
30	Providing and Laying (Main of Sub Main) PVC insulated with size 3-7/.029 copper conductor in 3/4" dia PVC Conduit on Surface (ESI#17 , P#3)	20	P-Meter	2187.96	43759.14
31	Providing and fixing one way SP 5 amp switch flush type. (ESI# 219, P# 33)	2	Per-No	468.19	936.38
32	Providing and fixing surface three pin 10/15 amp plug & socket flush type (ESI# 227, P# 33)	2	Each	677.36	1354.72
33	Providing and Fixing Bakelite ceiling rose with two terminal. (ESI# 228, P# 33)	2	Per No	373.39	746.78
34	Providing and fixing Brass Ceiling fan 56" (good quality) (ESI# 235, P# 34)	2	Per No	14869.21	29738.42
	<b>Total Amount 1 (ii) Schedule Items Rs.</b>				<b>1681859.51</b>
<b>C</b>	<b>Electrical Work, Non Schedule Items</b>				
1	Providing and fixing LED 25 watts energy saver (Philips or eq) I/c holder etc complete in all respects as directions of Engineer.	2	Each		
2	Providing and fixing approved fan box with hook etc complete in all respects as directions of Engineer.	2	Each		
3	Providing and fixing Distribution board for light including main circuit breaker and distribution circuit breakers, lamp lights, wiring, ampere meter etc complete in all respects as per directions of Engineer.	1	Job		
	<b>Total Amount 1 (i) Non Schedule Items Rs.</b>				
	<b>Total Amount 1 Rs.</b>				

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

I / We hereby quoted Rates @ \_\_\_\_\_ % above / below the S/R

(+) Open Rates Rs. \_\_\_\_\_ for complete work / job

The total amount is Rs.

(In figure)

Rupees:

(In words)

Contractor's Signature \_\_\_\_\_

S. No	Items	Qty	Unit	Rate	Amount
-------	-------	-----	------	------	--------

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_



# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>1</b>	<b>Up-gradation of Shalimar Disposal Station (For Rain Water)</b>				
<b>2)</b>	<b>P,L,J &amp; Testing of Raising Mains.</b>				
<b>i)</b>	<b>Schedule Items</b>				
1	Dismantling and removing road metalling. (GSI# 51, P#13)	30000	P-Cft	26.93	807900.00
2	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning and straightening the same.(GSI#, 20, P# 10)	100	P-Cft	229.72	22972.00
3	Dismantling cement concrete plain. (GSI# 19, P# 10)				
	a) 1:4:8	100	P-Cft	68.12	6812.00
	c) 1:2:4	100	P-Cft	133.08	13308.00
4	Excavation for pipe lines in trenches and pits in soft soils I/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge. providing fence guards, lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m). (PHS# 1, P# 60)	50000	%oCft	23622.00	1181100.00
5	Excavation for pipe line in trenches, pits in wet soil clay or mud i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineering Incharge. providing fence guards. lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m) (PHSI# 14, P# 66)	20000	%oCft	27432.00	548640.00

S. No	Items	Qty	Unit	Rate	Amount
6	Excavation for pipe line in trenches, and pits in soft rock by hammering and chieslling where blasting is not practicable or prohibited i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	200	%oCft	66141.60	13228.32
7	Add for additional lift of every three ft or part there of in item No 3 to 5 (A&B) for excavation for pipelines & storage tanks trenches and pits. (PHSI#16, P#74)	0	%oCft	5616.00	
8	Providing, Laying & Fixing in trench including fitting, jointing & testing etc complete in all respect the high Density Polyethylene PE pipes (HDPE-100) for W/S conforming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051. PN-8 (PHSI# F 1, P# 25)				
	w) 630mm Outerdiamerter	5000	Rft	15084.06	75420300.00
9	Providing and fixing approved M.S flange made of MS plate having a thickness and total weight as mentioned against each items. It includes the cost of making holes, facing, welding, nuts bolts, rubber packing, white lead, fitter, cartage etc complete.(Part-C M.S Specials, Item#8, P#177)				
	(n) 20mm thick For 630mm diameter line.	4	Each	29512.00	118048.00
10	Supplying and filling sand under floor and plugging in walls. (GSI# 29, P# 25)	43231.63	P-Cft	57.52	2486683.39
11	Refilling the excavated stuff in trenches 150mm thick layer I/c water ramming to full compaction etc complete (PHSI# 24, P# 77)	10200	%oCft	14020.80	143012.16
12	Full hire charges of the pumping set per day inclusive of wage of driver and Assistant fuel or electric energy plate forms required for placing pumps etc. at lower depth with suction and delivery pipes for pumping out water found at various depths from trenches i/c the cost of erection and dismantling after completion of the job. (PHESI#23, P#76)				
	ii) Hire charges of pumping set of upto 10 H.P pumping out water from 10 ft. deep trench.	30	P-Day	7468.80	224064.00
13	Cement concrete plain including placing compacting finishing and curing complete I/c washing of aggregates without shuttering (i) Ratio 1:4:8 (GSI# 5 (i), P# 16)	24	P-Cft	348.83	8371.92

S. No	Items	Qty	Unit	Rate	Amount
14	Cement concrete plain including placing compacting finishing and curing . Complete (including screening and washing of stone aggregate without shuttering (f) Ratio 1:2:4 (GSI# # 5 (f), P#16)	192	P-Cft	443.54	85159.68
15	Erection and removal of centering for R.C.C or plain cement concrete works of (b) partal wood (ii) Vertical. (GSI# # 19 (b), P#18)	192	P-Sft	106.48	20444.16
<b>Total Amount A-2, Schedule Rs.</b>					<b>81100043.63</b>
<b>ii)</b>	<b>Non Schedule Items</b>				
16	Providing, Fixing / Jointing and Testing of High Density Polyethylene PE pipes following specials in diameters (HDPE-100) for W/S conforming ISO 9001:2008, PN-10 including cost of butt fusion jointing etc complete in all respects as per directions of engineer and specification.				
i	90o Equal Bend				
	630mm Outer diameter	4	Each		
ii	45o Equal Bend				
	630mm Outer diameter	6	Each		
iii	Stab End				
	630mm Outer diameter	2	Each		
17	Supply & Fixing approved Heavy Duty C.I Air Valve Double Action BSS Standard 150mm diameter i/c connection to P.E or M.S pipe of all dia's i/c through Heavy Duty BSS Standard 90mm diameter sluice valve on top of 90mm diameter M-grade G.I pipe extended minimum length 2.44 meter above ground/road including cost of 150mm thick PCC (Ratio 1:2:4) casing around above ground level pipe etc. The horizontal length of G.I pipe to be sufficient to place of valve assembly in road shoulders or on nearest walls etc complete in all respects and all cost of items required included.	4	Job		
<b>Total Amount 1-2, Non Schedule Rs.</b>					
<b>Total Amount 1-2 Rs.</b>					

**Executive Engineer (Civil)**

Sukkur Water & Sewerage Corporation

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# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>1</b>	<b>Up-gradation of Shalimar Disposal Station (For Rain Water)</b>				
<b>3)</b>	<b>Supply &amp; Installation of Pumping Machinery</b>				
<b>i)</b>	<b>Non Schedule Items</b>				
1	Supply, Installation, testing and commissioning of approved Horizontal Centrifugal / submersible/ deep well turbine pump for water supply, including cost of Electric Motor (Siemens or Equivalent), mounted on common base steel frame including foundation bolts and Motor Control unit with all accessories etc complete in all respects as per directions of engineer.				
a	Centrifugal pump discharge 3500 gpm,70ft Head including Electric Motor 150HP with MCU	2	Job		
2	Providing approved 45o / 90o Cast Iron C.I flanged Bend etc complete in all respects as per instructions of engineer incharge.				
	12" dia	3	Each		
3	Providing & fixing approved C.I Gate valve heavy duty pattern PN-16, metal sealed risinf stem ((OS&Y), out side screw & Yoke, Bolted Bonnet, Flanged end, flanged outer & drilling to No.EN 1092/BS 4504 etc complete in all respects as per directions of engineer.				
	12" dia	6	Each		
4	Providing approved Heavey Duty pattern Cast Iron Non return valve dual plate water type, PN16, class 125 flanges, suitable flange connections are EN 1092, BS 4504, ANSI 16.5 etc complete in all respects as per directions of engineer				
	12" dia	6	Each		
5	Providing approved C.I Foot Valve etc complete in all respects as per directions of engineer.				
	12" dia	3	Each		

S. No	Items	Qty	Unit	Rate	Amount
6	Providing and fixing plate type earth electrode 600mm x 600mm x 3mm including 50mm dia GI pipe , 2 x 70 sq mm bare copper conductor including 300mm x 50mm x 6mm copper plate for earth connecting point & inspection chamber 450mm x 450mm with cover detail shown in drawing etc complete.	1	Job		
7	Providing approved C.I Tail piece/ Dead End Plate for manifold etc complete in all respects as per directions of engineer incharge.				
	12" dia 18mm Thick	3	Each		
	24" dia 25mm Thick	1	Each		
8	Providing, Fixing / Jointing & Testing of following diameter high Density Polyethylene PE pipes (HDPE-100) for W/S confirming ISO 4. PN-10 for Suction Pipe including Bends, Stab Ends, Reducer, Flanges & nutbolts etc complete in all respects as per directions of Engineer.				
	315mm Outer diameter	60	P-Rft		
9	Providing 2 mm thick MS Sheet frame cover with 1.5 mm thick MS Sheet, powder coating paint double shutter distribution board suitable for 500 volts, 3 phase, 4 wire, double shutter distribution board , bus bars including volt meter, ammeter, selector switch, control fuse, indication lamps, in/out cables arrangement internal wiring etc complete.	1	Job		
10	Manufacturing, Supplying & fixing balck steel M.S pipe made out of M.S sheet confirming to API 5L grade X-42 ERW & Externally asphalt coated with fiber glass 5mm thick & Internaly C.C lining 8mm thick (AWWA specification) i/c laying jointing with Hilical welding in trenches i/c cost of bends of any degree & testing with water specified pressure for different dia of pipes as below:(Straight). Deduction External and Internal Coating of MS Pipe. PHSI No. F (i) Page No. 118				
	Delivery Pipe				
	12" dia 8mm Thick	60	P-Rft		
	Manifoled				
	24" dia 7.1mm Thick	30	P-Rft		
11	Providing and fixing approved 12mm thick M.S flange made of MS plate having a thickness and total weight as mentioned against each items. It includes the cost of making holes, facing, welding, nuts bolts, rubber packing, white lead, fitter, cartage etc complete. PHSI No. 8 (a) Page No. 177				
	12" dia	12	Each		
	24" dia 3/4" Thick	2	Each		

S. No	Items	Qty	Unit	Rate	Amount
12	Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc, and other tools required for jointing and testing the joints to the specified pressure etc complete. PHSI No. L (i) Page No. 128				
	12" dia	12	Each		
	24" dia	2	Each		
13	Fixing of sluice valves with 2 cast iron tailpieces, one end flanged and other with socket including the cost of nuts bolts and rubber packing, labour etc complete. PHSI No. 11 Page No. 182				
	12" dia	10	Each		
	24" dia as per per inch 20")	1	Each		
14	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core copper conductor 600/1000 volts size 70mm <sup>2</sup> (GSEI#84, P-234)	50	P-Rft		
15	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core copper conductor 600/1000 volts size 95mm <sup>2</sup> (GSEI#85, P-235)	50	P-Rft		
16	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core copper conductor 600/1000 volts size 120mm <sup>2</sup> (GSEI#86, P-235)	100	P-Rft		
17	Providing & fixing circuit breaker 125, 150, 200, 225amp TP (XS-225NS) on prepared board as required. (GSEI#182, P-244)	3	Each		
18	Providing & fixing circuit breaker 800amp TP setting 500-800amp (XS-800NJ) on prepared board as required. (GSEI#187, P-244)	1	Each		
19	Construction of Pumps foundation in Ratio 1:2:4 Reinforced Cement Concrete as per pumps manufacturer's requirement etc complete.	2	Each		
<b>Total Amount A-3 Rs.</b>					

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

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Address \_\_\_\_\_



# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)

S. No	Items	Qty	Unit	Rate	Amount
1	Up-gradation of Shalimar Disposal Station (For Rain Water)				
4)	External Electrical Work				
i)	Diesel Generator Set, Non Schedule				
1	Supplying Installation testing and commesiong of 400 KVA 3 phase 4 wire 400 volts, diesel generator set of approve quality with all accessories with water proof cannopy andvanced LCD display control panel iclude transportation upto site and safety store exhaust piping ,ducting critical silencer with elbow also inclusive of power cable end termination etc complete in all respects as per direction of Engineer Incharge.	1	Set		
<b>Total Amount 1-4 Rs.</b>					

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Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>1</b>	<b>Up-gradation of Shalimar Disposal Station (For Rain Water)</b>				
<b>5)</b>	<b>Restoration of Road</b>				
1	Scarifying the existing road surface. (GSI # 6, P# 221)	127500	P%Sft	633.72	807993.00
2	Removing Debries (6 Mile lead)	31875	P%Cft	1447.52	461397.00
3	Preparing Sub-Base Course supply and spreading stone metal 1 ½ -2' gauge of approved quality from approved quarry in required thickness of 6"x2" in layers 3' each to proper camber and grade including hand packing filling voids with 10 Cft. Screening & non plastic quarry fines of approved quality and gauge from approved source, watering & compacting to achieve 95-100% density as per modified AASHO specification (Rate includes all cost of materials and carriage site of work)	90843.75	P%Cft	16695.36	15166691.00
4	Preparing base course i/c supplying and spreading stone metal of approved quality properly graded to maximum size of 1-1/2" in required thickness to Proper camber and grade including supplying and spreading 15 Cft: screenings and non plastic quarry fines, filling depressions with stone metal after initial rolling including watering and compaction the same so as to achieve 100% density as per modified AASHO specifications. (Rate includes providing and using templates, camber plates, screens, forms as directed .(Rate includes all cost of materials T&P and carriage upto 3 chins).	63750	P%Cft	22208.81	14158116.00
5	Providing surface dressing Two coat on new or existing surface 55 lbs of bitumen of 80/100 penetration and 6.75 Cft. Of crushed bajri of required size cleaning the road surface rolling etc. complete rate i/c all cost of material T&P and carriage upto site of work.	127500	P%Sft	7744.28	9873957.00

S. No	Items	Qty	Unit	Rate	Amount
6	Providing 2" Thick Asphalt Concrete Wearing Course Plant Mix Laying to Proper line and grade plant mixed Asphalt concrete paver finished (Hydraulic / Electronic control) Prepared to specified formula according to job mix formula approved by Engineer incharge including rolling and finishing to Properline, grade level and camber etc: (Machinery with POLs cost of material carriage).	127500	P%Sft	20780.63	26495303.00
7	Supplying and Fixing of reflectorize Road Studs Double Face, Flush surface type.	9000	Each	1520.42	13683780.00
8	Pavement marking in Reflective Thermo Plastic Paint for Lines of 6" Width.	6000	P-Rft	86.10	516600.00
9	Providing & fixing Precast Edge Block 3750 PSI Industrial Made Size 6 inches thick x 12 inches long x 18 inches high including the cost of Cartage, excavation, form Work for haunching, 1450 PSI lean concrete, 2250 PSI concrete for haunching, 1:4 cement sand mortar	6000	P-Rft	678.38	4070280.00
10	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city /quddra / cobble shape with natural colours , having strength b/w 5000 PSI to 8500 PSI i/c filling the joints with hill sand over a bed of 2" thick hill sand or stone dust and laying and compacting in specified manner/ pattern and design etc complete.	18612	P-Sft	197.48	3675498.00
11	Re-fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city /quddra / cobble shape with natural colours , having strength b/w 5000 PSI to 8500 PSI i/c filling the joints with hill sand over a bed of 2" thick hill sand or stone dust and laying and compacting in specified manner/ pattern and design etc complete.	6000	P-Sft	78.22	469320.00
<b>Total Amount A-5, Rs.</b>					<b>89378935.00</b>

*NLN*

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# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:


### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>B</b>	<b>Rain Emergency Mechanism for High Court Road and Police Headquarter Road at Sukkur</b>				
<b>1</b>	<b>Construction of Pump House 10x12 (2 Nos)</b>				
<b>i)</b>	<b>Schedule Items</b>				
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning and straightening the same.(GSI#, 20, P# 10)	30	P- Cft	229.72	6891.60
2	Dismantling cement concrete plain 1:2:4. (GSI# 19c, P# 10)	30	P- Cft	133.08	3992.40
3	Dismantling cement concrete plain 1:4:8. (GSI# 19 (a), P#10)	30	P- Cft	68.12	2043.60
4	Dismantling brick work in lime or cement mortar (GSI#, 13, P#10)	45	P- Cft	59.41	2673.45
5	Removing of cement or lime Plaster .(GSI# 53, P# 13)	832.5	P-Sft	5.39	4487.18
6	Removing door with chowkat. (GSI # 33a, P# 12)	1	Per No	574.26	574.26
7	Removing window and sky light with chowkats. (GSI # 33b P-12)	2	Per No	465.31	930.62
8	Excavation in foundation of building bridges and other structures including dagbelling dressing, refilling around structure with excavated earth Watering and ramming lead upto 5 ft. (b) In Ordinary soil. (GSI# 18b, P# 4)	24	P- Cft	11.88	285.12
9	Cement Concrete brick or stone ballast 1-1/2" to 2" gauge. (b) Ratio 1:4:8 (GSI# 4b, P# 15)	112	P- Cft	296.69	33229.28

S. No	Items	Qty	Unit	Rate	Amount
10	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C.C work in roof slab, beams columns rafts, lintels and other structural member laid in situ or precast laid in position complete in all respects. (I) Ratio (1:2:4) 90 lbs cement, 2 Cft Sand & 4 Cft Shingle 1/8" to 1/4" gauge. (GSI# 5i, P# 17)	78.375	P-Cft	717.59	56241.12
11	Providing Fixing Mild Steel Reinforcement for cement concrete including cutting, bending laying in position making joints and fastening, cost of binding wire (also includes removal of rust from bars) (b) Using Tor bars. (GSI # 8b, P# 17)	2.09933	P-Cwt	18934.02	39748.76
12	Pacca brick work in foundation and plinth (e) cement sand mortar 1:6 (GSI# 4(I), P# 20)	18.9	P- Cft	359.20	6788.88
13	Pacca brick work in ground floor in (c) cement sand mortar 1:4 (GSI# 5(I), P# 21)	264	P- Cft	397.85	105032.40
14	Cement Plaster 1:4 upto 12ft height (b) 1/2" thick. (GSI# 11b, P#52)	349	P-Sft	39.83	13900.67
15	Cement Plaster 1:4 upto 12ft height (a) 3/8" thick. . (GSI# 11a, P#52)	838.5	P-Sft	37.78	31678.53
16	Rough Cost / Stucco Plaster 3/4" thick in position of 1:1-1/2":1-1/2" in cement hill sand and bajri in patterns. (GSI# 32, P# 55)	44	P-Sft	101.28	4456.32
17	Providing and laying 3" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels (GSI# 16.d, P# 42)	200	P-Sft	145.00	29000.00
18	Providing laying single per layer of polythene sheet 0.13mm thick for water proofing as per instruction of Engineer incharge (GSI# 38, P# 38)	80	P-Sft	24.01	1920.80
19	Two coats of bitumen laid hot using 34lbs for % Sft, over roof and blinded with sand at one cft per % Sft (GSI # 13, P# 35)	80	P-Sft	47.84	3827.20
20	Khaprial of cement concrete 12" x 8" x 1" of approved design/shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (GSI# 39, P# 38)	80	P-Sft	108.75	8700.00
21	Making & fixing steel grated doors complete with locking arrangement angle iron frame 2" x 2" 3/8" and 3/4" sq: bars 4" centre to centre. (GSI# 24,P#92)	68	P-Sft	2726.96	185433.28
22	Prime coat of chalk distempering + Distempering Three Coats (GSI# 23 + 24, P# 54)	200	P-Sft	27.01	5402.00

S. No	Items	Qty	Unit	Rate	Amount
23	Preparing the surface and painting with weather coat I/c rubbing the surface with rubbing brick / sand Paper, filling the voids with chalk/ plaster of Paris and then painting with weather coat of approved make. (GSI # 38 A P-55) (ICI OR equivalent:) 2nd & subsequent coat (GSI # 36 B P-55) (ICI OR equivalent:)	513.488	P-Sft	62.98	32339.47
24	Preparing the surface & painting with matt finish I/c rubbing the surface with Bathy (Silicon carbide rubbing brick) filling the voids with Zink / chalk/plaster of Paris mixture, applying first coat premix making the surface smooth and then painting 3 coats with matt finish of approved make etc: complete (new surface) (GSI # 36 A P-55) (ICI OR equivalent:)	484	P-Sft	75.05	36324.20
25	Painting new surfaces (c ) preparing surface and painting of doors and windows any type (including edges) (i) Priming coat + (ii) Two coats of paint. (GSI#5c, P# 70)	68	P-Sft	24.00	1632.00
26	SR Cement	24	Each	40.00	960.00
	Electrical Work				0.00
27	Wiring for light or fan point with (3/.029) PVC insulated wire in 20mm(3/4") PVC conduit recessed in the wall or column as required. (ESI# 124, P#15)	2	P-Point	6573.50	13147.00
29	Wire for plug point with (3/.029) PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.(ESI# 126 P#15)	2	P-Point	4372.29	8744.58
30	Providing and Laying (Main of Sub Main) PVC insulated with size 3-7/.029 copper conductor in 3/4" dia PVC Conduit on Surface (ESI#17 , P#3)	23	P-Meter	2187.96	50323.01
31	Providing and fixing one way SP 5 amp switch flush type. (ESI# 219, P# 33)	2	Per-No	468.19	936.38
32	Providing and fixing surface three pin 10/15 amp plug & socket flush type (ESI# 227, P# 33)	2	Each	677.36	1354.72
33	Providing and Fixing Bakelite ceiling rose with two terminal. (ESI# 228, P# 33)	2	Per No	373.39	746.78
34	Providing and fixing Brass Ceiling fan 56" (good quality) (ESI# 235, P# 34)	2	Per No	14869.21	29738.42
	<b>Total Amount B-i Rs.</b>				<b>723484.02</b>
<b>ii</b>	<b>Non Schedule Items</b>				
	<b>Electrical Work</b>				
1	Providing and fixing LED 25 watts energy saver (Philips or eq) I/c holder etc complete in all respects as directions of Engineer.	2	Each		
2	Providing and fixing approved fan box with hook etc complete in all respects as directions of Engineer.	2	Each		

S. No	Items	Qty	Unit	Rate	Amount
3	Providing and fixing Distribution board for light including main circuit breaker and distribution circuit breakers, lamp lights, wiring, ampere meter etc complete in all respects as per directions of Engineer.	1	Job		
	<b>Total Amount B-ii Rs.</b>				
	<b>Total Amount B x 2 = Rs.</b>				



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# SUKKUR WATER & SEWERAGE CORPORATION

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Time Limit: 24 Months

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Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>B</b>	<b>Rain Emergency Mechanism for High Court Road and Police Headquarter Road at Sukkur</b>				
<b>2)</b>	<b>Supply &amp; Installation of Pumping Machinery</b>				
<b>i)</b>	<b>Non Schedule Items</b>				
1	Supply, Installation, testing and commissioning of (KSB or equivalent) Horizontal Non clogging pump TYPE KWP, including cost of Electric Motor (Siemens or Equivalent), mounted on common base steel frame including foundation bolts and Motor Control unit with all accessories etc complete in all respects as per directions of engineer.				
	Non clogging pump Type-KWP-200-315, 1600 gpm, 70ft Head including Electric Motor with MCU.	1	Job		
2	Providing approved 45o / 90o Cast Iron C.I flanged Bend etc complete in all respects as per instructions of engineer incharge.				
	8" dia	2	Each		
3	Providing & fixing approved C.I Gate valve heavy duty pattern PN-16, metal sealed rising stem ((OS&Y), out side screw & Yoke, Bolted Bonnet, Flanged end, flanged outer & drilling to No.EN 1092/BS 4504 etc complete in all respects as per directions of engineer.				
	8" dia	2	Each		
4	Providing approved Heavy Duty pattern Cast Iron Non return valve dual plate water type, PN16, class 125 flanges, suitable flange connections are EN 1092, BS 4504, ANSI 16.5 etc complete in all respects as per directions of engineer				
	8" dia	2	Each		
5	Providing approved C.I Foot Valve etc complete in all respects as per directions of engineer.				
	8" dia	1	Each		

S. No	Items	Qty	Unit	Rate	Amount
6	Providing and fixing plate type earth electrode 600mm x 600mm x 3mm including 50mm dia GI pipe , 2 x 70 sq mm bare copper conductor including 300mm x 50mm x 6mm copper plate for earth connecting point & inspection chamber 450mm x 450mm with cover detail shown in drawing etc complete.	1	Job		
7	Providing approved 25mm thick C.I Tail piece/ Dead End Plate for manifold etc complete in all respects as per directions of engineer incharge.				
	24" dia 25mm Thick	1	Each		
8	Providing, Fixing / Jointing & Testing of following diameter high Density Polyethylene PE pipes (HDPE-100) for W/S confirming ISO 4. PN-10 for Suction Pipe including Bends, Stab Ends, Reducer, Flanges & nutbolts etc complete in all respects as per directions of Engineer.				
	225mm Outer diameter	20	P-Rft		
9	Providing 2 mm thick MS Sheet frame cover with 1.5 mm thick MS Sheet, powder coating paint double shutter distribution board suitable for 500 volts, 3 phase, 4 wire,double shutter distribution board , bus bars including volt meter, ammeter, selector switch, control fuse, indication lamps, in/out cables arrangement internal wiring etc complete.	1	Job		
10	Manufacturing, Supplying & fixing balck steel M.S pipe made out of M.S sheet confirming to API 5L grade X-42 ERW & Externally asphalt coated with fiber glass 5mm thick & Internaly C.C lining 8mm thick (AWWA specification) i/c laying jointing with Hilical welding in trenches i/c cost of bends of any degree & testing with water specified pressure for different dia of pipes as below:(Straight). Deduction External and Internal Coating of MS Pipe. (PHSI No. G (i) Page No. 120)				
	Delivery Pipe				
	8" dia 8.7mm Thick	10	P-Rft		
	Manifoled				
	24" dia 7.1mm Thick	30	P-Rft		
11	Providing and fixing approved 12mm thick M.S flange made of MS plate having a thickness and total weight as mentioned against each items. It includes the cost of making holes, facing, welding, nuts bolts, rubber packing, white lead, fitter, cartage etc complete. PHSI No. 8 Page No. 177				
	8" dia	20	Each		
	24" dia 3/4" Thick	1	Each		

S. No	Items	Qty	Unit	Rate	Amount
12	Jointing C.I./M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc, and other tools required for jointing and testing the joints to the specified pressure etc complete.				
	8" dia	20	Each		
	24" dia	2	Each		
13	Fixing of sluice valves with 2 cast iron tailpieces, one end flanged and other with socket including the cost of nuts bolts and rubber packing, labour etc complete. (MS Special Schedule Item-11, P#182)				
	8" dia	5	Each		
14	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheathed with 4 core copper conductor 600/1000 volts size 16mm <sup>2</sup> ESI No. 80 Page No. 234	30	P-rft		
15	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheathed with 4 core copper conductor 600/1000 volts size 25mm <sup>2</sup> ESI No. 81 Page No. 234	30	P-rft		
16	Providing & fixing circuit breaker 15,20,30, 40,50,60,75 & 100amp TP (XS-100NS) on prepared board as required. ESI No. 183 Page No. 244	1	Each		
17	Providing & fixing circuit breaker 125, 150, 200, 225amp TP (XS-225NS) on prepared board as required. ESI No. 182 Page No. 244	1	Each		
18	Construction of Pumps foundation in Ratio 1:2:4 Plain Cement Concrete as per pumps manufacturer's requirement etc complete.	1	Each		
<b>Total Amount B-2 Rs.</b>					

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

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The total amount is Rs.

(In figure)

Rupees:

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Contractor's Signature \_\_\_\_\_

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_



# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>B</b>	<b>Rain Emergency Mechanism for High Court Road and Police Headquarter Road at Sukkur</b>				
<b>3)</b>	<b>Diesel Engine with Pump 02 Nos 48-HP 1600 GPM</b>				
1	Supply, Installation, testing and commissioning of (KSB or equivalent) Horizontal Non clogging pump TYPE KWP, including cost of Diesel Engine, mounted on common base steel frame including foundation bolts with all accessories etc complete in all respects as per directions of engineer.				
	Non clogging pump Type-KWP-200-315, including Diesel Engine 48HP	1	Job		
2	Providing approved 450 / 900 Cast Iron C.I flanged Bend etc complete in all respects as per instructions of engineer incharge.				
	8" dia	2	Each		
3	Providing & fixing approved C.I Gate valve heavy duty pattern PN-16, metal sealed rising stem ((OS&Y), out side screw & Yoke, Bolted Bonnet, Flanged end, flanged outer & drilling to No.EN 1092/BS 4504 etc complete in all respects as per directions of engineer.				
	8" dia	2	Each		
4	Providing approved Heavy Duty pattern Cast Iron Non return valve dual plate water type, PN16, class 125 flanges, suitable flange connections are EN 1092, BS 4504, ANSI 16.5 etc complete in all respects as per directions of engineer				
	8" dia	2	Each		
5	Providing approved C.I Foot Valve etc complete in all respects as per directions of engineer.				
	8" dia	1	Each		
6	Providing approved 25mm thick C.I Tail piece/ Dead End Plate for manifold etc complete in all respects as per directions of engineer incharge.				
	24" dia 25mm Thick	1	Each		

S. No	Items	Qty	Unit	Rate	Amount
7	Providing, Fixing / Jointing & Testing of following diameter high Density Polyethylene PE pipes (HDPE-100) for W/S confirming ISO 4. PN-10 for Suction Pipe including Bends, Stab Ends, Reducer, Flanges & nutbolts etc complete in all respects as per directions of Engineer.				
	225mm Outer diameter	20	P-Rft		
8	Manufacturing, Supplying & fixing balck steel M.S pipe made out of M.S sheet confirming to API 5L grade X-42 ERW & Externally asphalt coated with fiber glass 5mm thick & Internaly C.C lining 8mm thick (AWWA specification) i/c laying jointing with Hilical welding in trenches i/c cost of bends of any degree & testing with water specified pressure for different dia of pipes as below:(Straight). Deduction External and Internal Coating of MS Pipe. (PHSI No. G (i) Page No. 120)				
	Delivery Pipe				
	8" dia 8.7mm Thick	10	P-Rft		
	Manifoled				
	24" dia 7.1mm Thick	30	P-Rft		
9	Providing and fixing approved 12mm thick M.S flange made of MS plate having a thickness and total weight as mentioned against each items. It includes the cost of making holes, facing, welding, nuts bolts, rubber packing, white lead, fitter, cartage etc complete. PHSI No. 8 Page No. 177				
	8" dia	20	Each		
	24" dia 3/4" Thick	1	Each		
10	Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc,and other tools required for jointing and testing the joints to the specified pressure etc complete.				
	8" dia	20	Each		
	24" dia	2	Each		
11	Fixing of sluice valves with 2 cast iron tailpieces, one end flanged and other with socket including the cost of nuts bolts and rubber packing, labour etc complete. (MS Special Schedule Item-11, P#182)				
	8" dia	5	Each		

S. No	Items	Qty	Unit	Rate	Amount
12	Construction of Pumps foundation in Ratio 1:2:4 Plain Cement Concrete as per pumps manufacturer's requirement etc compete.	1	Each		
<b>Total Amount B-3, (for 1 Set) Rs.</b>					
<b>Total Amount B-3 x 2 (for 2 Set) Rs.</b>					

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

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# SUKKUR WATER & SEWERAGE CORPORATION

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Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>B</b>	<b>Rain Emergency Mechanism for High Court Road and Police Headquarter Road at Sukkur</b>				
<b>4)</b>	<b>P,L,J &amp; Testing 315mm Outer Diameter PE Rising Main 500 Rft</b>				
<b>i)</b>	<b>Schedule Items</b>				
1	Dismantling and removing road metalling. (GSI# 51 P#21)	2000	P-Cft	26.93	53860.00
2	Dismantling cement concrete plain Ratio 1:2:4 (GSI # 19-c, P# 20)	100	P-Cft	133.08	13308.00
3	Excavation for pipe lines in trenches and pits in soft soils I/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge. providing fence guards, lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m). (PHS# 1, P# 148)	4000	%o Cft	18288.00	73152.00
4	Excavation for pipe line in trenches, pits in wet soil clay or mud i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineering Incharge. providing fence guards. lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m) (PHSI# 14, P# 154)	2000	%oCft	27432.00	54864.00
5	Providing, Laying & Fixing in trench including fitting, jointing & testing etc complete in all respect the high Density Polyethylene PE pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051. (PHSI# E 1, P# 113) (PN-8)				
	a) 315mm Outer Diameter	500	P-Rft	3843.97	1921985.00

S. No	Items	Qty	Unit	Rate	Amount
6	Providing and fixing M.S flange made of MS plate having a thickness and total weight as mentioned against each items. It includes the cost of making holes, facing, welding, nuts bolts, rubber packing, white lead, fitter, cartage etc complete. (PHSI# 8, (b ), Part-D MS Specials)				
	(n) 12" Dia, flange wall thickness 1/2".	4	Each	7441.00	29764.00
7	Refilling the excavated stuff in trenches 6" thick layer i/c water ramming to full compaction etc complete (PHSI# 24, P# 165)	3567.269	%oCft	14020.80	50015.96
<b>Total Amount B-4, Schedule Rs.</b>					<b>2196948.96</b>
<b>ii)</b>	<b>Non Schedule Items</b>				
8	Providing, Butt fusion Jointing and Testing of High Density Polyethylene PE pipes following specials in diameters (HDPE-100) for W/S confirming ISO 9001:2008, including cost of Butt Fusion jointing etc complete in all respects as per directions of Engineer. (PN-10) ( Ra Based on Basic Schedule 2024 Attached)				
i	90o Elbow				
	For 315mm OD Line	2	Each		
ii	45o Elbow				
	For 315mm OD Line	4	Each		
iii	Stub End/Flange Adaptor				
	For 315mm OD Line	4	Each		
9	Jacking of 16" dia MS Casing pipe under Road Crossing including cost of 16" dia horizontal boring and driving pipe for horizontal laying including cost of all tools and plants etc complete in all respects as per site requirements/condition and as per directions of engineer incharge.	120	P-Rft		
10	Manufacturing, Supplying black steel M.S casing pipe made out of M.S sheet confirming to API 5L grade i/c jointing with Helical welding etc complete in all respects. 16" Inner dia & 9.0mm Wall thickness. PHSI No. F (1) (v) (c) Page No. 119)	120	P-Rft		
11	Supply & Fixing approved 3" Heavy Duty Cast Iron, Double Orifice,PN-16, Flange Air Release valve BSS Standard i/c connection to P.E or M.S pipe of all dia's, including cost of Heavy Duty BSS Standard Cast Iron, OS & Y, PN 16, SS Stem, flanged 3" Sluice valve, including 3" dia M-grade G.I pipe extended minimum 8ft above ground/road. The horizontal length of G.I pipe to be sufficient to place of valve assembly in road shoulders or on nearest walls and cost also includes making hole in main line, saddle clamp, rubber packing, nut bolts are included and including 3" thick PCC concrete sleeve Ratio 1:1.5:3 upto 8ft etc complete in all respects as per approved drawing and all cost material and labour are included.	2	Each		

S. No	Items	Qty	Unit	Rate	Amount
12	Supply and Fixing approved C.I Sluice valve heavy pattern with test pressure of 21.0 kg/sq.cm etc including cost of rubber packing and nut bolts etc complete in all respects as per directions of engineer as per approval engineer (Foreign made).	2	Each		
	<b>Total Amount B-4, Non Schedule Rs.</b>				
	<b>Total Amount B-4, Rs.</b>				

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

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Contractor's Signature \_\_\_\_\_

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# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>C</b>	<b>Up-gradation of Sewerage System of Fruit &amp; Vegetable Market Shikarpur Road Sukkur</b>				
<b>1</b>	<b>Up-gradation / Construction of Existing Disposal</b>				
<b>i)</b>	<b>Construction of 20" dia Collecting Tank</b>				
	<b>Schedule Items</b>				
1	Excavation of well in dry upto 20' below ground level and disposal of soil within one chain. (a) In ordinary soil or sand. (i) From 0'-00" to 5'-00" depth. (GSI#1,a (i), P#72)	1192.978	P-Cft	9.82	11715.05
2	Providing "expansion joint" in concrete work of 9" wide corugated PVC waterstop (with bulb) i.c soldering cost of material and labour etc complete. (PHESI# (B), 2, P#144)	197.946	P-Rft	568.09	112451.14
3	Wet sinking of wells for depth below spring level by means of divers including all charges for shoring loading and removing excavated material within one chain. (GSI#3, P#73)				
	(i) 0' to 10' depth.	3976.594	P-Cft	83.62	332522.77
	(ii) 10.1' to 20' depth.	3976.594	P-Cft	178.23	708748.30
4	Bailing out sub soil water during excavation, concreting cast in situ concrete or masonry work in foundation work etc. (PHSI # 18, P#163)	7226.6	%Cft	956.40	69115.20
5	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C.C work in roof slab, beams columns rafts, lintels and other structural member laid in situ or precast laid in position complete in all respects. (I) Ratio (1:2:4) 90 lbs cement, 2 Cft Sand & 4 Cft Shingle 1/8" to 1/4" gauge. (GSI# 6ai, P# 25)	1806.257	P-Cft	717.59	1296152.14

S. No	Items	Qty	Unit	Rate	Amount
6	Fabrication of deformed Steel reinforcement for cement concrete including cutting,bending laying in position making joints and fastening including cost of binding wire (also includes removal of rust from bars)(a) Grade-60 GSI#8a,P# 26	88.87312	P-Cwt	18934.02	1682725.39
7	Cement Concrete brick or stone ballast 1-1/2" to 2" gauge. (b) Ratio 1:4:8 (GSI# 4b, P# 24)	314.2	P-Cft	296.69	93220.00
8	Cement concrete plain including placing compacting finishing and curing complete I/c washing of aggregates without shuttering. (GSI#5, P#24)				
	(i) Ratio 1:4:8	314.2	P-Cft	348.83	109602.39
	(h) Ratio 1:3:6	314.2	P-Cft	388.67	122120.11
	(f) Ratio 1:2:4	314.2	P-Cft	443.54	139360.27
9	Rough Cost / Stucco Plaster 3/4" thick in position of 1:1-1/2":1-1/2" in cement hill sand and bajri in patterns. (GSI# 32, P# 53)	207.372	P-Sft	101.28	21002.64
10	Excavation for pipe lines in trenches and pits in soft soils I/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge. providing fence guards, lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m). (PHS# 1, P# 148)	180	%oCft	18288.00	3291.84
11	Excavation for pipe line in trenches, pits in wet soil clay or mud i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineering Incharge. providing fence guards. lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m) (PHSI# 14, P# 154)	120	%oCft	27432.00	3291.84
12	Excavation for pipe line in trenches, pits in slushy daldaly soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineering Incharge. providing fence guards. lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m) (PHSI#15, P#155)	60	%oCft	54864.00	3291.84
13	Add for additional lift of every three ft or part there of in item No 1 to 15 (A&B) for excavation for pipelines & storage tanks trenches and pits. (PHSI#16, P#162)	60	%oCft	5616.00	336.96

S. No	Items	Qty	Unit	Rate	Amount
14	Refilling the excavated stuff in trenches 6" thick layer I/c water ramming to full compaction etc complete (PHSI# 24, P# 77)	301.125	%oCft	14020.80	4222.01
15	Providing, Laying, RCC Pipes of ASTM C-76-62 T/C-76-70 of Class II wall B and fixing in trench I/c , cutting , fitting and jointing with rubber ring i/c testing with water to specified pressure. (PHESI# B 1, P# 106)				
	36" dia ASTM Pipe	16	P-Rft	2373.60	37977.60
<b>Total Amount C-1, Schedule Rs.</b>					<b>4751147.49</b>
<b>Non Schedule Items</b>					
16	Providing and fixing approved C.I Footsteps.	15	Each		
<b>Total Amount C-1, Non Schedule Rs.</b>					
<b>Total Amount Rs.</b>					

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

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# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>C</b>	<b>Up-gradation of Sewerage System of Fruit &amp; Vegetable Market Shikarpur Road Sukkur</b>				
<b>1</b>	<b>Up-gradation / Construction of Existing Disposal</b>				
<b>ii)</b>	<b>Construction of Screen Chamber</b>				
	<b>Schedule Items</b>				
1	Excavation for tanks and reservoirs in soft soil i/c trimming and dressing sites to true alignment/design sections/profiles and shape levelling of beds of trenches to correct level and grade including laying of earth in 6" layer of construction of banks and dressing and disposal of surplus, excavated earth within one chain as directed by engineer incharge i/c providing fence guards, lights, flags where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (PHS I# 01, P# 155)	420	%o Cft	15849.00	6656.58
2	Excavation for tanks and reservoirs in wet soils/ clay or mud i/c trimming and dressing sites to true alignment/design sections/profiles and shape levelling of beds of trenches to correct level and grade including laying of earth in 6" layer of construction of banks and dressing and disposal of surplus, excavated earth within one chain as directed by engineer incharge i/c providing fence guards, lights, flags where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (PHS I# 14, P# 162)	280	%o Cft	24993.00	6998.04

S. No	Items	Qty	Unit	Rate	Amount
3	Excavation for tanks and reservoirs in slushy or daldally soils i/c trimming and dressing sites to true alignment/design sections/profiles and shape levelling of beds of trenches to correct level and grade including laying of earth in 6" layer of construction of banks and dressing and disposal of surplus, excavated earth within one chain as directed by engineer incharge i/c providing fence guards, lights, flags where ever required lift upto 5ft (1.52m) and lead upto one chain (30.5m) (PHS I# 15, P# 162)	350	%o Cft	36576.00	12801.60
4	Add for additional lift of every three ft or part there of in item No 1 to 15 (A&B) for excavation for pipelines & storage tanks trenches and pits. (G.S.I. #16) P-162	350	%o Cft	5616.00	1965.60
5	Full hire charges of the pumping set per day inclusive of wage of driver and Assistant fuel or electric energy plate forms required for placing pumps etc. at lower depth with suction and delivery pipes for pumping out water found at various depths from trenches i/c the cost of erection and dismantling after completion of the job.(PHESI#23, P#164)				
	ii) Hire charges of pumping set of upto 10 H.P pumping out water from 15 ft. deep trench.	30	Per day	11205.60	336168.00
6	Dry rammed brick or stone ballast 1-1/2" to 2" guage. (GSI# 2, P# 24)	140	P-Cft	104.97	14695.80
7	Cement Concrete brick or stone ballast 1-1/2" to 2" gauge. (b) Ratio 1:4:8 (GSI# 4b, P# 24)	70	P-Cft	296.69	20768.30
8	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C.C work in roof slab, beams columns rafts, lintels and other structural member laid in situ or precast laid in position complete in all respects. (I) Ratio (1:2:4) 90 lbs cement, 2 Cft Sand & 4 Cft Shingle 1/8" to 1/4" gauge. (GSI# 6ai, P# 25)	397	P-Cft	717.59	284883.23
9	Fabrication of deformed Steel reinforcement for cement concrete including cutting,bending laying in position making joints and fastening including cost of binding wire (also includes removal of rust from bars)(a) Grade-60 GSI#8a,P# 26	19.53356	P-Cwt	18934.02	369848.75
10	Bitumen Coating to plastered or cement concrete surface (GSI# 9, P# 63)	320	P-Sft	21.83	6985.60

S. No	Items	Qty	Unit	Rate	Amount
11	Rough Cost / Stucco Plaster 3/4" thick in position of 1:1-1/2":1-1/2" in cement hill sand and bajri in patterns. (GSI# 32, P# 53)	96	P-Sft	101.28	9722.88
12	Small iron work such as gusset plate knees bends, stirrups, rings etc. Including cutting, drilling, reverting, handling, assembling and fixing but excluding erection in position. (GSI# 1, P#75)	18.65609	P-Cwt	22361.43	417176.88
13	Erecting rolled steel beams or old rails in roofs etc, erection and fixing in position. (GSI# 6, P#72)	18.65609	P-Cwt	804.26	15004.35
14	Painting new surfaces (d) preparing surface and painting guard bars, gates of iron bars, gratings, railings (including standards braces etc) and similar open work (i) Priming coat + (ii) Two coats of paint. (GSI#5d, P# 70)	187.9767	P-Sft	24.00	4511.44
<b>Total Amount C-1 (ii), Schedule Rs.</b>					<b>1508187.05</b>
<b>Non Schedule Items</b>					
15	Providing and fixing approved C.I Footsteps etc complete in all respects as per direction of engineer.	10	Each		
<b>Total Amount C-1 (ii), Non Schedule Rs.</b>					
<b>Total Amount Rs.</b>					

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

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# SUKKUR WATER & SEWERAGE CORPORATION

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S. No	Items	Qty	Unit	Rate	Amount
<b>C</b>	<b>Up-gradation of Sewerage System of Fruit &amp; Vegetable Market Shikarpur Road Sukkur</b>				
<b>1</b>	<b>Up-gradation / Construction of Existing Disposal</b>				
<b>iii)</b>	<b>Construction of Pump House</b>				
<b>A</b>	<b>Schedule Items</b>				
1	Dismantling cement concrete reinforced separating reinforcement from concrete cleaning and straightening the same.(GSI#, 20, P# 10)	45	P- Cft	229.72	10337.40
2	Dismantling cement concrete plain 1:2:4. (GSI# 19c, P# 10)	45	P- Cft	133.08	5988.60
3	Dismantling cement concrete plain 1:4:8. (GSI# 19 (a), P#10)	45	P- Cft	68.12	3065.40
4	Dismantling brick work in lime or cement mortar (GSI#, 13, P#10)	40.5	P- Cft	59.41	2406.11
5	Removing of cement or lime Plaster .(GSI# 53, P# 13)	756.5	P-Sft	5.39	4077.54
6	Removing door with chowkat. (GSI # 33a, P# 12)	1	Per No	574.26	574.26
7	Removing window and sky light with chowkats. (GSI # 33b P-12)	2	Per No	465.31	930.62
8	Excavation in foundation of building bridges and other structures including dagbelling dressing, refilling around structure with excavated earth Watering and ramming lead upto 5 ft. (b) In Ordinary soil. (GSI# 18b, P# 4)	24	P- Cft	11.88	285.12
9	Cement Concrete brick or stone ballast 1-1/2" to 2" gauge. (b) Ratio 1:4:8 (GSI# 4b, P# 15)	132	P- Cft	296.69	39163.08

S. No	Items	Qty	Unit	Rate	Amount
10	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C.C work in roof slab, beams columns rafts, lintels and other structural member laid in situ or precast laid in position complete in all respects. (I) Ratio (1:2:4) 90 lbs cement, 2 Cft Sand & 4 Cft Shingle 1/8" to 1/4" gauge. (GSI# 5i, P# 17)	255.3125	P-Cft	717.59	183209.70
11	Providing Fixing Mild Steel Reinforcement for cement concrete including cutting, bending laying in position making joints and fastening, cost of binding wire (also includes removal of rust from bars) (b) Using Tor bars. (GSI # 8b, P# 17)	8.366044	P-Cwt	18934.02	158402.84
12	Pacca brick work in foundation and plinth (e) cement sand mortar 1:6 (GSI# 4(I), P# 20)	21	P- Cft	359.20	7543.20
13	Pacca brick work in ground floor in (c) cement sand mortar 1:4 (GSI# 5(I), P# 21)	216	P- Cft	397.85	85935.60
14	Cement Plaster 1:4 upto 12ft height (b) 1/2" thick. (GSI# 11b, P#52)	806	P-Sft	39.83	32102.98
15	Cement Plaster 1:4 upto 12ft height (a) 3/8" thick. (GSI# 11a, P#52)	802	P-Sft	37.78	30299.56
16	Rough Cost / Stucco Plaster 3/4" thick in position of 1:1-1/2":1-1/2" in cement hill sand and bajri in patterns. (GSI# 32, P# 55)	40.5	P-Sft	101.28	4101.84
17	Providing and laying 3" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels (GSI# 16.d, P# 42)	180	P-Sft	145.00	26100.00
18	Providing laying single per layer of polythene sheet 0.13mm thick for water proofing as per instruction of Engineer incharge (GSI# 38, P# 38)	180	P-Sft	24.01	4321.80
19	Two coats of bitumen laid hot using 34lbs for % Sft, over roof and blinded with sand at one cft per % Sft (GSI # 13, P# 35)	180	P-Sft	47.84	8611.20
20	Khaprial of cement concrete 12" x 8" x 1" of approved design/shape laid flat in 1:2 grey cement mortar over a bed of 3/4" thick grey cement mortar 1:2 (GSI# 39, P# 38)	180	P-Sft	108.75	19575.00
21	Making & fixing steel grated doors complete with locking arrangement angle iron frame 2" x 2" 3/8" and 3/4" sq: bars 4" centre to centre. (GSI# 24,P#92)	68	P-Sft	2726.96	185433.28
22	Prime coat of chalk distempering + Distempering Three Coats (GSI# 23 + 24, P# 54)	300	P-Sft	27.01	8103.00

S. No	Items	Qty	Unit	Rate	Amount
23	Preparing the surface and painting with weather coat I/c rubbing the surface with rubbing brick / sand Paper, filling the voids with chalk/ plaster of Paris and then painting with weather coat of approved make. (GSI # 38 A P-55) (ICI OR equivalent:) 2nd & subsequent coat (GSI # 36 B P-55) (ICI OR equivalent:)	608.982	P-Sft	62.98	38353.69
24	Preparing the surface & painting with matt finish I/c rubbing the surface with Bathy (Silicon carbide rubbing brick) filling the voids with Zink / chalk/plaster of Paris mixture, applying first coat premix making the surface smooth and then painting 3 coats with matt finish of approved make etc: complete (new surface) (GSI # 36 A P-55) (ICI OR equivalent:)	540	P-Sft	75.05	40527.00
25	Painting new surfaces (c ) preparing surface and painting of doors and windows any type (including edges) (i) Priming coat + (ii) Two coats of paint. (GSI#5c, P# 70)	68	P-Sft	24.00	1632.00
26	SR Cement	67	Each	40.00	2680.00
	<b>Electrical Work</b>				0.00
27	Wiring for light or fan point with (3/.029) PVC insulated wire in 20mm(3/4") PVC conduit recessed in the wall or column as required. (ESI# 124, P#15)	2	P-Point	6573.50	13147.00
29	Wire for plug point with (3/.029) PVC insulated wire in 20 mm (3/4") PVC conduit recessed in the wall or column as required.(ESI# 126 P#15)	2	P-Point	4372.29	8744.58
30	Providing and Laying (Main of Sub Main) PVC insulated with size 3-7/.029 copper conductor in 3/4" dia PVC Conduit on Surface (ESI#17 , P#3)	43	P-Meter	2187.96	94082.14
31	Providing and fixing one way SP 5 amp switch flush type. (ESI# 219, P# 33)	2	Per-No	468.19	936.38
32	Providing and fixing surface three pin 10/15 amp plug & socket flush type (ESI# 227, P# 33)	2	Each	677.36	1354.72
33	Providing and Fixing Bakelite ceiling rose with two terminal. (ESI# 228, P# 33)	2	Per No	373.39	746.78
34	Providing and fixing Brass Ceiling fan 56" (good quality) (ESI# 235, P# 34)	2	Per No	14869.21	29738.42
	<b>Total Amount C-1 (iii)-A, Schedule Rs.</b>				<b>1052510.82</b>
<b>iii)</b>	<b>Non Schedule Items</b>				
<b>B</b>	<b>Electrical Work</b>				
1	Providing and fixing LED 25 watts energy saver (Philips or eq) I/c holder etc complete in all respects as directions of Engineer.	2	Each		
2	Providing and fixing approved fan box with hook etc complete in all respects as directions of Engineer.	3	Each		

S. No	Items	Qty	Unit	Rate	Amount
3	Providing and fixing Distribution board for light including main circuit breaker and distribution circuit breakers, lamp lights, wiring, ampere meter etc complete in all respects as per directions of Engineer.	1	Job		
<b>Total Amount C-1 (ii), NonSchedule Rs.</b>					
<b>Total Amount C Rs.</b>					



**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

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(In figure)

Rupees:

(In words)

Contractor's Signature \_\_\_\_\_

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_



# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>C</b>	<b>Up-gradation of Sewerage System of Fruit &amp; Vegetable Market Shikarpur Road Sukkur</b>				
<b>1</b>	<b>Up-gradation / Construction of Existing Disposal</b>				
<b>iv)</b>	<b>Construction of Boundary Wall &amp; Gate</b>				
1	Excavation in foundation of building bridges and other structures including dagbelling dressing, refilling around structure with excavated earth Watering and ramming lead upto 5 ft. (b) In Ordinary soil. (GSI# 18b, P# 17)	1279.75	P-Cft	11.88	15203.43
2	Cement Concrete brick or stone ballast 1-1/2" to 2" gauge. (b) Ratio 1:4:8 (GSI# 4b, P# 24)	253.5	P-Cft	296.69	75210.92
3	Pacca brick work in foundation and plinth (e) cement sand mortar 1:6 (GSI# 4I(e), P# 29)	575.1563	P-Cft	359.20	206596.13
4	Damp proof course with (cement sand shingle concrete 1:2:4) including 2 coats of asphaltic mixture. (b) 2" thick. (GSI#28b, P# 28)	230.0625	P-Sft	126.97	29211.04
5	Pacca brick work other than building including striking of joints upto 20 feet height in (c ) cement sand mortar Ratio 1:4. (GSI#7 (I), P# 30)	1126.836	P-Cft	379.55	427690.58
6	Cement Plaster 1:4 upto 12ft height (c ) 3/4" thick. (GSI# 11c, P#52)	1845.844	P-Sft	53.82	99343.31
7	Cement pointing struck joints on walls (b) Ratio 1:3 (GSI# 19b, P# 53)	1384.25	P-Sft	39.07	54082.65
8	Rough Cost / Stucco Plaster 3/4" thick in position of 1:1-1/2":1-1/2" in cement hill sand and bajri in patterns. (GSI# 32, P# 53)	391	P-Sft	101.28	39600.48
9	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" sq: bars 4" centre to centre with locking arrangement. (GSI# 24,P#76)	72	P-Sft	2726.96	196341.12
10	Preparing the surface and painting with weather coat I/c rubbing the surface with rubbing brick / sand Paper, filling the voids with chalk/ plaster of Paris and then painting with weather coat of approved make. (GSI # 38 A P-55) (ICI OR equivalent:) 2nd & subsequent coat (GSI # 38 A+38 B P-54) (ICI OR equivalent:)	4872.094	P-Sft	62.98	306844.46

S. No	Items	Qty	Unit	Rate	Amount
11	Painting new surfaces (c ) preparing surface and painting of doors and windows any type (including edges) (i) Priming coat + (ii) Two coats of paint. (GSI#5c, P# 70)	144	P-Sft	25.52	3674.88
12	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) R.C.C work in roof slab, beams columns rafts, lintels and other structural member laid in situ or precast laid in position complete in all respects Ratio 1 : 2: 4 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge.(GSI#6a P#25)	148	P-Cft	717.59	106203.32
13	Fabrication of deformed Steel reinforcement for cement concrete including cutting,bending laying in position making joints and fastening including cost of binding wire (also includes removal of rust from bars)(a) Grade-60 GSI#8a,P# 26	16.31	P-Cwt	18934.02	308813.87
<b>Total Amount C-1 (iv), Schedule Rs.</b>					<b>1868816.17</b>

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

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(+) Open Rates Rs. \_\_\_\_\_ for complete work / job

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(In figure)

Rupees:

(In words)

Contractor's Signature \_\_\_\_\_

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_



# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>C</b>	<b>Up-gradation of Sewerage System of Fruit &amp; Vegetable Market Shikarpur Road Sukkur</b>				
<b>5</b>	<b>Up-gradation / Construction of Existing Disposal</b>				
<b>i)</b>	<b>General Development Work 11%</b>				
<b>A</b>	<b>Schedule Items</b>				
1	Jungle clearance and removing within 100ft. (GSI#4, P#78)				
	(a) Light	906	P-Sft	0.40	362.40
2	Borrow pit excavation undressed lead upto 100ft. (a) Ordinary soil (GSI#3, P#1) + Lead upto 6.0 miles.	590	P-Cft	21.70	12803.00
3	Earth Work compaction (soft, ordinary or hard soil) (b) Laying earth in 6" layers levelling dressing and watering for compaction etc complete. (GSI#13b, P#16)	590	P-Cft	3.50	2065.00
4	Dry rammed brick or stone ballast 1-1/2" to 2" guage. (GSI# 2, P# 14)	310	% Cft	3327.50	10315.25
5	Cement concrete plain including placing compacting finishing and curing . Complete (including screening and washing of stone aggregate without shuttering . (i) Ratio 1:4:8 (GSI# 5(i), P# 25)	310	P-cft	348.83	108137.30

S. No	Items	Qty	Unit	Rate	Amount
6	Providing and laying 3" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels (GSI# 16.d, P# 45)	906	P-Sft	145.00	131370.00
<b>Total Amount C-2 (i), Schedule Rs.</b>					<b>265052.95</b>

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Sukkur Water & Sewerage Corporation

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# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)

S. No	Items	Qty	Unit	Rate	Amount
<b>C</b>	<b>Up-gradation of Sewerage System of Fruit &amp; Vegetable Market Shikarpur Road Sukkur</b>				
<b>2</b>	<b>RCC ASTM Sewer</b>				
<b>i)</b>	<b>18" (1000) &amp; 24" (1500) dia RCC ASTM Sewer</b>				
<b>A</b>	<b>Schedule Items</b>				
1	Dismantling and removing road metalling. (GSI# 51 P-13)	10912	P-Cft	26.93	293860.16
2	Excavation for pipe lines in trenches and pits in soft soils I/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge. providing fence guards, lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m). (PHS# 1, P# 60)	21824	%oCft	23622.00	515526.53
3	Excavation for pipe line in trenches, pits in wet soil clay or mud i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineering Incharge. providing fence guards. lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m) (PHS. P# 66. Item# -14)	23708	%oCft	27432.00	650357.86
4	Excavation for pipe line in trenches, pits in slushy daldaly soil i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineering Incharge. providing fence guards. lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m) (PHS. P# 67. Item# -15)	24964	%oCft	54864.00	1369624.90

S. No	Items	Qty	Unit	Rate	Amount
5	Add for additional lift of every three ft or part there of in item No 1 to 15 (A&B) for excavation for pipelines & storage tanks trenches and pits. (PHSI. #16) P-74	24124	%0Cft	5616.00	135480.38
6	Providing, Laying, RCC Pipes of ASTM C-76-62 T/C-76-70 of Class II wall B and fixing in trench I/c , cutting , fitting and jointing with rubber ring i/c testing with water to specified pressure. (PHESI# B 1, P# 17)				
	18" dia ASTM Pipe	1000	P-Rft	2393.50	2393500.00
	24" dia ASTM Pipe	1500	P-Rft	3239.53	4859295.00
7	Full hire charges of the pumping set per day inclusive of wage of driver and Assistant fuel or electric energy plate forms required for placing pumps etc. at lower depth with suction and delivery pipes for pumping out water found at various depths from trenches i/c the cost of erection and dismantling after completion of the job. (ii) Hire charges of pumping set of upto 10 H.P pumping out water from 15 ft. deep trench. (PHSI# 23,ii, P# 76)	120	P-Day	7468.80	896256.00
8	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing of stone aggregates without shuttering) (I) Ratio 1:4:8 (GSI # 5(i), P# 15)	829.1563	P-Cft	348.83	289234.57
9	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). R.C.C work in roof slab, beams columns rafts, lintels and other structural member laid in situ or precast laid in position complete in all respects. Ratio 1:1-1/2:3. GSI# #6 ii P-16)	5233.128	P-Cft	787.71	4122187.11
10	Fabrication of Tor bars reinforcement for cement concrete including cutting, bending, lifting, laying in position, making joints and fastenings including cost of binding wire (Also includes removal of rust from bars).b) Using Tor bars. (GSI# 8b, Page No16)	233.6218	P-Cwt	18934.02	4423399.40
11	Refilling the excavated stuff in trenches 6" thick layer I/c water ramming to full compaction etc complete (PHSI# 24, P# 77)	20683.3	%oCft	14020.80	289996.36
12	Providing C.I Manhole Cover & Frame i/c Cost of material etc (PHESI# J-1, P# 35)	68.88408	P-Cwt	38813.00	2673597.72
13	Supplying and filling sand under floor and plugging in walls. (GSI# 29, P# 25)	10848.43	P-Cft	57.52	624001.41

S. No	Items	Qty	Unit	Rate	Amount
14	Carriage of Excavated material from site to outside city lead upto 6 mile.	45595.58	%Cft	1447.52	660005.07
<b>Total Amount C-2 (i), Schedule Rs.</b>					<b>24196322.46</b>

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

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(In figure)

Rupees:

(In words)

Contractor's Signature \_\_\_\_\_

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Address \_\_\_\_\_



# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>C</b>	<b>Up-gradation of Sewerage System of Fruit &amp; Vegetable Market Shikarpur Road Sukkur</b>				
<b>2</b>	<b>RCC ASTM Sewer</b>				
<b>ii)</b>	<b>3 ft Wide RCC Nala 4000 Rft</b>				
	<b>Schedule Items</b>				
1	Dismantling and Removing of Road (GSI No. 51 Page No. 21)	22000	P-Cft	18.10	398200.00
2	Excavtion in foundation of Building Bridges and other structures including dagbelling dressing,refilling around structure with excavated earth Watering and ramming lead upto 5 ft. , lead upto one chain (30 metre) and lift upto 5 ft. (1.5 metre) (a) In sand, ashes or loose soil. (GSI No. 18-a, Page # 16)	143000	P-Cft	10.30	1472900.00
3	Cement concrete plain including placing compacting finishing and curing complete (i/c screening and washing at stone aggregate without shuttering Ratio 1:4:8 (CSI No. 5-i Page No. 25)	11000	P-Cft	348.83	3837130.00
4	Cement concrete plain including placing compacting finishing and curing complete (i/c screening and washing at stone aggregate without shuttering Ratio 1:2:4 (CSI No. 5-f Page No. 25)	1250	P-Cft	443.54	554425.00
5	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, centering, shuttering and curing. (including screening and washing of shingle.) R.C.C work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. (CSI No. 6-a (i) Page # 25)	66000	P-Cft	717.59	47360940.00
6	Fabrication of deformed steel reinforcement for cement concrete including cutting,bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars.) (GSI No. 8 (b) Page No. 25)	2651.786	P-Cft	18271.01	48450803.00

S. No	Items	Qty	Unit	Rate	Amount
7	Removal of Debries 3 miles lead.	165000	P-Cft	10.78	1778700.00
<b>Total Amount C-2 (ii), Schedule Rs.</b>					<b>103853098.0</b>

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

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# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>C</b>	<b>Up-gradation of Sewerage System of Fruit &amp; Vegetable Market Shikarpur Road Sukkur</b>				
<b>3</b>	<b>PLJ &amp; Testing of Raising Main</b>				
<b>i)</b>	<b>315mm Outer Diameter PE Raising Main</b>				
	<b>Schedule Items</b>				
1	Dismantling and removing road metalling. (GSI# 51 P#21)	4000	P-Cft	26.93	107720.00
2	Dismantling cement concrete plain Ratio 1:2:4 (GSI # 19-c, P# 20)	400	P-Cft	133.08	53232.00
3	Excavation for pipe lines in trenches and pits in soft soils I/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge. providing fence guards, lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m). (PHS# 1, P# 148)	8000	%o Cft	18288.00	146304.00
4	Excavation for pipe line in trenches, pits in wet soil clay or mud i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineering Incharge. providing fence guards. lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m) (PHSI# 14, P# 154)	4000	%oCft	27432.00	109728.00
5	Providing, Laying & Fixing in trench including fitting, jointing & testing etc complete in all respect the high Density Polyethylene PE pipes (HDPE-100) for W/S confirming ISO 4427/DIN8074/8075 B.S 3580 & PSI 3051. (PHSI# E 1, P# 113) (PN-8)				
	a) 315mm Outer Diameter	1000	P-Rft	3843.97	3843970.00

S. No	Items	Qty	Unit	Rate	Amount
6	Providing and fixing M.S flange made of MS plate having a thickness and total weight as mentioned against each items. It includes the cost of making holes, facing, welding, nuts bolts, rubber packing, white lead, fitter, cartage etc complete. (PHSI# 8, (b ), Part-D MS Specials)				
	(n) 12" Dia, flange wall thickness 1/2".	4	Each	7441.00	29764.00
7	Refilling the excavated stuff in trenches 6" thick layer I/c water ramming to full compaction etc complete (PHSI# 24, P# 165)	7134.538	%oCft	14020.80	100031.92
<b>Total Amount C-1 (i-A), Schedule Rs.</b>					<b>4390750.00</b>
<b>B</b>	<b>Non Schedule Items</b>				
8	Providing, Butt fusion Jointing and Testing of High Density Polyethylene PE pipes following specials in diameters (HDPE-100) for W/S confirming ISO 9001:2008, including cost of Butt Fusion jointing etc complete in all respects as per directions of Engineer. (PN-10) ( Ra Based on Basic Schedule 2024 Attached)				
i	90o Elbow				
	For 315mm OD Line	2	Each		
ii	45o Elbow				
	For 315mm OD Line	4	Each		
iii	Stub End/Flange Adaptor				
	For 315mm OD Line	4	Each		
9	Supply & Fixing approved 3" Heavy Duty Cast Iron, Double Orifice,PN-16, Flange Air Release valve BSS Standard i/c connection to P.E or M.S pipe of all dia's, including cost of Heavy Duty BSS Standard Cast Iron, OS & Y, PN 16, SS Stem, flanged 3" Sluice valve, including 3" dia M-grade G.I pipe extended minimum 8ft above ground/road. The horizontal length of G.I pipe to be sufficient to place of valve assembly in road shoulders or on nearest walls and cost also includes making hole in main line, saddle clamp, rubber packing, nut bolts are included and including 3" thick PCC concrete sleeve Ratio 1:1.5:3 upto 8ft etc complete in all respects as per approved drawing and all cost material and labour are included.	1	Each		

S. No	Items	Qty	Unit	Rate	Amount
10	Supply and Fixing approved C.I Sluice valve heavy pattern with test pressure of 21.0 kg/sq.cm etc including cost of rubber packing and nut bolts etc complete in all respects as per directions of engineer as per approval engineer (Foreign made).	1	Each		
<b>Total Amount C-3 (i-B), Schedule Rs.</b>					
<b>Total Amount C-3 Rs.</b>					

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

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(In figure)

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Contractor's Signature \_\_\_\_\_

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_



# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>C</b>	<b>Up-gradation of Sewerage System of Fruit &amp; Vegetable Market Shikarpur Road Sukkur</b>				
<b>4</b>	<b>Pumping Machinery</b>				
<b>i)</b>	<b>Supply and Installation of Pumping Machinery</b>				
1	Supply, Installation, testing and commissioning of (KSB or equivalent) Horizontal Non clogging pump TYPE KWP, including cost of Electric Motor (Siemens or Equivalent), mounted on common base steel frame including foundation bolts and Motor Control unit with all accessories etc complete in all respects as per directions of engineer.				
	Non clogging pump TYPE KWP, 150-315, 1000 gpm, 75ft Head including 40 HP Electric Motor with MCU.	2	Job		
2	Providing approved 45o / 90o Cast Iron C.I flanged Bend etc complete in all respects as per instructions of engineer incharge.				
	6" dia	4	Each		
3	Providing & fixing approved C.I Gate valve heavy duty pattern PN-16, metal sealed rising stem ((OS&Y), out side screw & Yoke, Bolted Bonnet, Flanged end, flanged outer & drilling to No.EN 1092/BS 4504 etc complete in all respects as per directions of engineer.				
	6" dia	4	Each		
4	Providing approved Heavy Duty pattern Cast Iron Non return valve dual plate water type, PN16, class 125 flanges, suitable flange connections are EN 1092, BS 4504, ANSI 16.5 etc complete in all respects as per directions of engineer				
	6" dia	4	Each		
5	Providing approved C.I Foot Valve etc complete in all respects as per directions of engineer.				
	6" dia	2	Each		

S. No	Items	Qty	Unit	Rate	Amount
6	Providing and fixing plate type earth electrode 600mm x 600mm x 3mm including 50mm dia GI pipe , 2 x 70 sq mm bare copper conductor including 300mm x 50mm x 6mm copper plate for earth connecting point & inspection chamber 450mm x 450mm with cover detail shown in drawing etc complete.	1	Job		
7	Providing approved 20mm thick C.I Tail piece/ Dead End Plate for manifold etc complete in all respects as per directions of engineer incharge.				
	16" dia 25mm Thick	2	Each		
8	Providing, Fixing / Jointing & Testing of following diameter high Density Polyethylene PE pipes (HDPE-100) for W/S confirming ISO 4. PN-10 for Suction Pipe including Bends, Stab Ends, Reducer, Flanges & nutbolts etc complete in all respects as per directions of Engineer.				
	160mm Outer diameter	60	P-Rft		
9	Providing 2 mm thick MS Sheet frame cover with 1.5 mm thick MS Sheet, powder coating paint double shutter distribution board suitable for 500 volts, 3 phase, 4 wire,double shutter distribution board , bus bars including volt meter, ammeter, selector switch, control fuse, indication lamps, in/out cables arrangement internal wiring etc complete.	2	Job		
10	Manufacturing, Supplying & fixing balck steel M.S pipe made out of M.S sheet confirming to API 5L grade X-42 ERW & Externally asphalt coated with fiber glass 5mm thick & Internaly C.C lining 8mm thick (AWWA specification) i/c laying jointing with Hilical welding in trenches i/c cost of bends of any degree & testing with water specified pressure for different dia of pipes as below:(Straight). (PHESI# G, I, P# 30) Deduction External and Internal Coating of MS Pipe. (PHESI# I,1, P#34)				
	Delivery Pipe				
	6" dia 6 mm Thick	20	P-Rft		
	Manifoled				
	16" dia 8 mm Thick	60	P-Rft		
11	Providing and fixing approved 12mm thick M.S flange made of MS plate having a thickness and total weight as mentioned against each items. It includes the cost of making holes, facing, welding, nuts bolts, rubber packing, white lead, fitter, cartage etc complete. (MS Specials, P#9)				
	6" dia	30	Each		
	16" dia	2	Each		

S. No	Items	Qty	Unit	Rate	Amount
12	Jointing C.I/M.S flanged pipes and specials flanged and inside a trench i/c supplying rubber packing of the required thickness nuts, bolts with washers etc, and other tools required for jointing and testing the joints to the specified pressure etc complete. (PHESI# L,1, P#128)				
	6" dia	30	P-Joint		
13	Fixing of sluice valves with 2 cast iron tailpieces, one end flanged and other with socket including the cost of nuts bolts and rubber packing, labour etc complete. (MS Special Schedule Item-11, P#182)				
	6" dia	5	Each		
14	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 3 core copper conductor 300/500 volts size 6mm <sup>2</sup> (ESI# J-51, P# 232)	60	P-Rft		
15	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 3 core copper conductor 300/500 volts size 10mm <sup>2</sup> (ESI# J-52, P# 232)	60	P-Rft		
16	Providing & laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core copper conductor 600/1000 volts size 25mm <sup>2</sup> (ESI# o-81, P# 234)	30	P-Rft		
17	Providing & fixing circuit breaker 15,20,30, 40,50,60,75 & 100amp TP (XS-100NS) on prepared board as required. (ESI# 183, P# 244)	2	Each		
18	Providing & fixing circuit breaker 125, 150, 200, 225amp TP (XS-225NS) on prepared board as required. (ESI# 182, P# 244)	1	Each		
19	Construction of Pumps foundation in Ratio 1:2:4 Plain Cement Concrete as per pumps manufacturer's requirement etc complete.	2	Each		
<b>Total Amount C-4 (i), Schedule Rs.</b>					

*NLN*

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# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>C</b>	<b>Up-gradation of Sewerage System of Fruit &amp; Vegetable Market Shikarpur Road Sukkur</b>				
<b>5</b>	<b>Pavement of Streets</b>				
<b>i)</b>	<b>Pavers</b>				
1	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with natural colours, having strength b/w 5000 psi to 8500 psi I/c filling the joints with hill sand and laying in specified manner /pattern and design etc: complete. (CSI No. 69, Page # 50	260000	P-Sft	197.48	51344800.00
2	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering. CC 1:4:8	24915	P-Cft	349	8691099.45
<b>Total Amount C-5 (i), Schedule Rs.</b>					<b>60035899.45</b>

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Sukkur Water & Sewerage Corporation

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### IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)

S. No	Items	Qty	Unit	Rate	Amount
<b>C</b>	<b>Up-gradation of Sewerage System of Fruit &amp; Vegetable Market Shikarpur Road Sukkur</b>				
<b>6</b>	<b>External Electrical</b>				
<b>ii)</b>	<b>DG Set 200 KVA, Non Schedule Items</b>				
1	Supply, Installation, testing and commissioning of approved 200 kVA, 400Volt, 3-phase, 4-wire, Prime Duty Diesel Generating Set of approved make complete with all accessories as stated in Specifications and/or Technical Particulars. The scope also includes weather/acoustic proof canopy. The DG Set should have built in day tank and fuel level float valve having terminals for external control wirings for automatic filling of day tank.	1	Job		
<b>Total Amount C-6 (ii) Rs.</b>					

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Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>D</b>	<b>Improvement &amp; Rehabilitation of Drainage System of Freek Hill Colony &amp; Surrounding areas near Civil Hospital Sukkur</b>				
<b>1</b>	<b>Laying of RCC Sewer Line of Different Sizes 18" &amp; 24" dia with RCC Manhole at various Location within the limits of SMC</b>				
	<b>Providing, Laying, Jointing &amp; Testing of 24", 18" dia RCC ASTM Sewer Lines.</b>				
	<b>Schedule Items</b>				
1	Dismantling Cement Concrete Plain 1:2:4 (GSI No. 19 (c) Page No. 20)	21.76	P-Cft	133.08	2895.82
2	Dismantling and removing road metalling. (GSI# 51 P-13)	15971.52	P-Cft	26.93	430113.03
3	Excavation for pipe lines in trenches and pits in soft soils I/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge. providing fence guards, lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m). (PHS# 1, P# 60)	31943.04	%oCft	23622.00	754558.49
4	Excavation for pipe line in trenches, pits in wet soil clay or mud i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineering Incharge. providing fence guards. lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m) (PHS. P# 66. Item# -14)	33199.04	%oCft	27432.00	910716.07

S. No	Items	Qty	Unit	Rate	Amount
5	Excavation for pipe line in trenches, and pits in soft rock by hammering and chieslling where blasting is not practicable or prohibited i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	24920.72	%oCft	122682.00	3057323.77
6	Add for additional lift of every three ft or part there of in item No 1 to 15 (A&B) for excavation for pipelines & storage tanks trenches and pits. (PHSI. #16) P-74	19437.92	%oCft	5616.00	109163.36
7	Providing, Laying, RCC Pipes of ASTM C-76-62 T/C-76-70 of Class II wall B and fixing in trench I/c , cutting , fitting and jointing with rubber ring i/c testing with water to specified pressure. (PHESI# B 1, P# 17)				
	18" dia ASTM Pipe	2660	P-Rft	2393.50	6366710.00
	24" dia ASTM Pipe	1000	P-Rft	3239.53	3239530.00
8	Full hire charges of the pumping set per day inclusive of wage of driver and Assistant fuel or electric energy plate forms required for placing pumps etc. at lower depth with suction and delivery pipes for pumping out water found at various depths from trenches i/c the cost of erection and dismantling after completion of the job. (ii) Hire charges of pumping set of upto 10 H.P pumping out water from 15 ft. deep trench. (PHSI# 23,ii, P# 76)	120	P-Day	7468.80	896256.00
9	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing of stone aggregates without shuttering) (I) Ratio 1:4:8 (GSI # 5(i), P# 15)	1210.568	P-Cft	348.83	422282.48
10	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). R.C.C work in roof slab, beams columns rafts, lintels and other structural member laid in situ or precast laid in position complete in all respects. Ratio 1:1-1/2:3. GSI# #6 ii P-16)	7113.943	P-Cft	787.71	5603723.92

S. No	Items	Qty	Unit	Rate	Amount
11	Fabrication of Tor bars reinforcement for cement concrete including cutting, bending, lifting, laying in position, making joints and fastenings including cost of binding wire (Also includes removal of rust from bars).b) Using Tor bars. (GSI# 8b, Page No16)	317.5867	P-Cwt	18934.02	6013193.58
12	Refilling the excavated stuff in trenches 6" thick layer I/c water ramming to full compaction etc complete (PHSI# 24, P# 77)	31302.64	%oCft	14020.80	438888.08
13	Providing C.I Manhole Cover & Frame i/c Cost of material etc (PHESI# J-1, P# 35)	100.5708	P-Cwt	38813.00	3903452.67
14	Supplying and filling sand under floor and plugging in walls. (GSI# 29, P# 25)	12144.02	P-Cft	57.52	698524.10
15	Carriage of Excavated material from site to outside city lead upto 6 mile.	68969.58	%Cft	1447.52	998348.45
				<b>Total Amount Rs.</b>	<b>33845679.81</b>

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# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

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Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>D</b>	<b>Improvement &amp; Rehabilitation of Drainage System of Freek Hill Colony &amp; Surrounding areas near Civil Hospital Sukkur</b>				
<b>1</b>	<b>Construction of 4'-0" Wide RCC Nala at various Locations within the limits of Sukkur Municipal Corporation</b>				
	<b>Construction of 4ft Wide RCC Nala</b>				
1	Dismantling and removing road metalling. (GSI# 51 P-13)	8000	P-Cft	26.93	215440.00
2	Dismantling cement concrete plain Ratio 1:2:4 (GSI # 19-c) ( P-10)	800	P-Cft	133.08	106464.00
3	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	16000	%oCft	18288.00	292608.00
4	Excavation for pipe line in trenches, pits in wet soil clay or mud i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineering Incharge. providing fence guards. lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m) (PHS. P# 66. Item# -14)	16000	%oCft	27432.00	438912.00

S. No	Items	Qty	Unit	Rate	Amount
5	Excavation for pipe line in trenches, and pits in soft rock by hammering and chieslling where blasting is not practicable or prohibited i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	0	%oCft	122682.00	0.00
6	Add for additional lift of every three ft or part there of in item No 1 to 15 (A&B) for excavation for pipelines & storage tanks trenches and pits. (PHSI. #16) P-74	16000	%oCft	5616.00	89856.00
7	Full hire charges of the pumping set per day inclusive of wage of driver and Assistant fuel or electric energy plate forms required for placing pumps etc. at lower depth with suction and delivery pipes for pumping out water found at various depths from trenches i/c the cost of erection and dismantling after completion of the job. (ii) Hire charges of pumping set of upto 10 H.P pumping out water from 15 ft. deep trench. (PHSI# 23,ii, P# 76)	240	P-Day	7468.80	1792512.00
8	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing of stone aggregates without shuttering) (I) Ratio 1:4:8 (GSI # 5(i), P# 15)	3250	P-Cft	348.83	11336.98
9	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). R.C.C work in roof slab, beams columns rafts, lintels and other structural member laid in situ or precast laid in position complete in all respects. Ratio 1:1-1/2:3. GSI# #6 ii P-16)	17340	P-Cft	787.71	13658891.40
10	Fabrication of Tor bars reinforcement for cement concrete including cutting, bending, lifting, laying in position, making joints and fastenings including cost of binding wire (Also includes removal of rust from bars).b) Using Tor bars. (GSI# 8b, Page No16)	774.1071	P-Cwt	18934.02	14656960.13
11	Refilling the excavated stuff in trenches 6" thick layer I/c water ramming to full compaction etc complete (PHSI# 24, P# 77)	11000	%oCft	14020.80	154228.80
	Inter Connections				

S. No	Items	Qty	Unit	Rate	Amount
12	Providing, Laying, RCC Pipes of ASTM C-76-62 T/C-76-70 of Class II wall B and fixing in trench I/c , cutting , fitting and jointing with rubber ring i/c testing with water to specified pressure. (PHESI# B 1, P# 17)				
	(b) 12" dia ASTM Pipe	50	P-Rft	1430.86	71543.00
	Relocation of Services of water supply lines				
13	Providing GI pipes special etc I/c fixing cutting and fitting complete with and I/c the cost of cutting trench upto 2-1/2 feet deep refitting water ramming & disposal of surplus earth with in one chain and painting two coats of bitumen paint to pipe & special after cleaning and hassain cloth soaked inamaxphalt composition wrapped tightly round pipes & testing to a pressure head to 200 feet and handling (WSSI# 1, P# 14)				
	i) 1/2" Dia G.I Pipe line	20	P-Rft	275.55	5511.00
	ii) 3/4" Dia G.I Pipe line	20	P-Rft	334.05	6681.00
	iii) 1" Dia G.I Pipe line	20	P-Rft	503.70	10074.00
	vi) 2" Dia G.I Pipe line	20	P-Rft	977.55	19551.00
	uPVC Pipes House Connections				
14	Providing, Laying, uPVC pipes of Class 'C' fixing in trench including cutting, fitting and jointing with solvent cement inclduing testing with water to head of 91.5meter of 300ft. (PHESI# 5, P# 24)				
	(d) 4" dia ASTM Pipe	20	P-Rft	512.62	10252.40
	(f) 6" dia ASTM Pipe	20	P-Rft	1071.54	21430.80
	(g) 8" dia ASTM Pipe	20	P-Rft	1634.66	32693.20
15	Constructing manhole or inspection chamber for the required diameter of circular sewer and 3'-6" (1067 mm) depth with walls of B.B in cement sand mortar 1:3 cement plastered 1:3, 1/2" thick, inside of walls and 1" (25 mm) thick over benching and channel i/c fixing C.I manhole cover with frame of clear opening 1-1/2' x1-1/2' (457x457 mm) of 1.75 cwt. (88.9 kg) embaded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6" (150 mm) wide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C/C duly painted etc. Complete as per standard specification and drawing. 4" to 12" dia 2'x2'x3'-6" (PHESI# P-1a, P# 45)	1	Each	55584.18	55584.18

S. No	Items	Qty	Unit	Rate	Amount
16	Carriage of 100 Cft/5 tones of all materials like stones, Aggregate, Spawl, Coal, Lime, Surkhi etc, B.G Rail fastening points and crossing Bridges girders, pipes, sheets, Rail M.S Bars etc or 1000 Nos Tiles 12"x 6" x 12" or 150 cft of timber of 100 mounds of fuel wood (by means of Material Trolley) lead upto 6 miles	56800	%Cft	1447.52	822191.36
<b>Total Amount Rs.</b>					<b>32472721.24</b>

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Estimated Cost: 764.774 (M)

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### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>D</b>	<b>Improvement &amp; Rehabilitation of Drainage System of Freek Hill Colony &amp; Surrounding areas near Civil Hospital Sukkur</b>				
<b>1</b>	<b>Construction of 3'-0" Wide RCC Nala at various Locations within the limits of Sukkur Municipal Corporation</b>				
	<b>Construction of 3ft Wide RCC Nala</b>				
1	Dismantling and removing road metalling. (GSI# 51 P-13)	3250	P-Cft	26.93	87522.50
2	Dismantling cement concrete plain Ratio 1:2:4 (GSI # 19-c) ( P-10)	325	P-Cft	133.08	43251.00
3	Excavation for pipe line in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	6500	%oCft	18288.00	118872.00
3	Excavation for pipe line in trenches, pits in wet soil clay or mud i/c trimming and dressing sides to true alignment and shape leveling of beds of trenches to correct level and grade. Cutting joint holes and disposal of surplus earth within a one chain as directed by Engineering Incharge. providing fence guards. lights flags and temporary crossings for non vehicular traffic where ever required lift upto 5 ft (1.52m) and lead upto one chain ( 30.50m) (PHS. P# 66. Item# -14)	6500	%oCft	27432.00	178308.00

S. No	Items	Qty	Unit	Rate	Amount
4	Excavation for pipe line in trenches, and pits in soft rock by hammering and chieslling where blasting is not practicable or prohibited i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus earth within a one chain as directed by Engineer Incharge . Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft. (1.52m) and lead upto one chain (30.5m).	0	%oCft	122682.00	0.00
5	Add for additional lift of every three ft or part there of in item No 1 to 15 (A&B) for excavation for pipelines & storage tanks trenches and pits. (PHSI. #16) P-74	6500	%oCft	5616.00	36504.00
6	Full hire charges of the pumping set per day inclusive of wage of driver and Assistant fuel or electric energy plate forms required for placing pumps etc. at lower depth with suction and delivery pipes for pumping out water found at various depths from trenches i/c the cost of erection and dismantling after completion of the job. (ii) Hire charges of pumping set of upto 10 H.P pumping out water from 15 ft. deep trench. (PHSI# 23,ii, P# 76)	120	P-Day	7468.80	896256.00
7	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing of stone aggregates without shuttering) (I) Ratio 1:4:8 (GSI # 5(i), P# 15)	1375	P-Cft	348.83	4796.41
8	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). R.C.C work in roof slab, beams columns rafts, lintels and other structural member laid in situ or precast laid in position complete in all respects. Ratio 1:1-1/2:3. GSI# #6 ii P-16)	8032.5	P-Cft	787.71	6327280.58
9	Fabrication of Tor bars reinforcement for cement concrete including cutting, bending, lifting, laying in position, making joints and fastenings including cost of binding wire (Also includes removal of rust from bars).b) Using Tor bars. (GSI# 8b, Page No16)	358.5938	P-Cwt	18934.02	6789621.23
10	Refilling the excavated stuff in trenches 6" thick layer I/c water ramming to full compaction etc complete (PHSI# 24, P# 77)	6500	%oCft	14020.80	91135.20
	Inter Connections				

S. No	Items	Qty	Unit	Rate	Amount
11	Providing, Laying, RCC Pipes of ASTM C-76-62 T/C-76-70 of Class II wall B and fixing in trench I/c , cutting , fitting and jointing with rubber ring i/c testing with water to specified pressure. (PHESI# B 1, P# 17)				
	(b) 12" dia ASTM Pipe	50	P-Rft	1430.86	71543.00
	Relocation of Services of water supply lines				
12	Providing GI pipes special etc I/c fixing cutting and fitting complete with and I/c the cost of cutting trench upto 2-1/2 feet deep refitting water ramming & disposal of surplus earth with in one chain and painting two coats of bitumen paint to pipe & special after cleaning and hassain cloth soaked inamaxphalt composition wrapped tightly round pipes & testing to a pressure head to 200 feet and handling (WSSI# 1, P# 14)				
	i) 1/2" Dia G.I Pipe line	20	P-Rft	275.55	5511.00
	ii) 3/4" Dia G.I Pipe line	20	P-Rft	334.05	6681.00
	iii) 1" Dia G.I Pipe line	20	P-Rft	503.70	10074.00
	vi) 2" Dia G.I Pipe line	20	P-Rft	977.55	19551.00
	uPVC Pipes House Connections				
13	Providing, Laying, uPVC pipes of Class 'C' fixing in trench including cutting, fitting and jointing with solvent cement inclduing testing with water to head of 91.5meter of 300ft. (PHESI# 5, P# 24)				
	(d) 4" dia ASTM Pipe	20	P-Rft	512.62	10252.40
	(f) 6" dia ASTM Pipe	20	P-Rft	1071.54	21430.80
	(g) 8" dia ASTM Pipe	20	P-Rft	1634.66	32693.20
14	Constructing manhole or inspection chamber for the required diameter of circular sewer and 3'-6" (1067 mm) depth with walls of B.B in cement sand mortar 1:3 cement plastered 1:3, 1/2" thick, inside of walls and 1" (25 mm) thick over benching and channel i/c fixing C.I manhole cover with frame of clear opening 1-1/2' x1-1/2' (457x457 mm) of 1.75 cwt. (88.9 kg) embaded in plain C.C 1:2:4 and fixing 1" (25 mm) dia M.S steps 6" (150 mm) wide projecting 4" (102 mm) from the face of wall at 12" (305 mm) C/C duly painted etc. Complete as per standard specification and drawing. 4" to 12" dia 2'x2'x3'-6" (PHESI# P-1a, P# 45)	1	Each	55584.18	55584.18

S. No	Items	Qty	Unit	Rate	Amount
15	Carriage of 100 Cft/5 tones of all materials like stones, Aggregate, Spawl, Coal, Lime, Surkhi etc, B.G Rail fastening points and crossing Bridges girders, pipes, sheets, Rail M.S Bars etc or 1000 Nos Tiles 12"x 6" x 12" or 150 cft of timber of 100 mounds of fuel wood (by means of Material Trolley) lead upto 6 miles	23075	%Cft	1447.52	334015.24
<b>Total Amount Rs.</b>					<b>15140882.74</b>

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

I / We hereby quoted Rates @ \_\_\_\_\_ % above / below the S/R

(+) Open Rates Rs. \_\_\_\_\_ for complete work / job

The total amount is Rs.

(In figure)

Rupees:

(In words)

Contractor's Signature \_\_\_\_\_

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_



# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)

S. No	Items	Qty	Unit	Rate	Amount
<b>D</b>	<b>Improvement &amp; Rehabilitation of Drainage System of Freek Hill Colony &amp; Surrounding areas near Civil Hospital Sukkur</b>				
<b>1</b>	<b>Laying of RCC Sewer Line of Different Sizes 18" &amp; 24" dia with RCC Manhole at various Location within the limits of SMC</b>				
<b>A</b>	<b>Schedule Items</b>				
1	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 60 (mm) of city / quddra / cobble shape with natural colours, having strength b/w 5000 psi to 8500 psi I/c filling the joints with hill sand and laying in specified manner /pattern and design etc: complete. (CSI No. 69, Page # 50	52200	P-Sft	197.48	10308456.00
<b>Total Amount Rs.</b>					<b>10308456.00</b>

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

I / We hereby quoted Rates @ \_\_\_\_\_ % above / below the S/R

(+) Open Rates Rs. \_\_\_\_\_ for complete work / job

The total amount is Rs.

(In figure)

Rupees:

(In words)

Contractor's Signature \_\_\_\_\_

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_



# SUKKUR WATER & SEWERAGE CORPORATION

## SCHEDULE OF QUANTITIES WORK NO: 1

Estimated Cost: 764.774 (M)

Liquidity Damages 0.05 of Estimated Cost

Time Limit: 24 Months

Earnest Money 38.238 Million or 5%

Name of Work:

### **IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY (PHASE-IV)**

S. No	Items	Qty	Unit	Rate	Amount
<b>E</b>	<b>SUPPLY OF SUCTION MACHINERY FOR DRAINAGE SYSTEM OF SUKKUR</b>				
<b>4</b>	<b>Suction machinery/vehicle</b>				
	<b>Non Schedule Items</b>				
1	Supply of Suction Vehicle Model MSV-7000 comprising of 7000 litres Sludge Tank 5mm thick shell and 6mm thick dish ends MS construction duly Epoxy coated, Sand-blasted and special corrosion resisted paint, Vacuum Pump (Imported) mounted on, 18 Ton GVW Truck Chassis (Japanese assembled in Pakistan).ISUZU (Large) etc complete, as per specification and approved by Engineer Incharge.	1	Each		
				<b>Total Amount Rs.</b>	

**Executive Engineer (Civil)**  
Sukkur Water & Sewerage Corporation

I / We hereby quoted Rates @ \_\_\_\_\_ % above / below the S/R

(+) Open Rates Rs. \_\_\_\_\_ for complete work / job

The total amount is Rs.

(In figure)

Rupees:

(In words)

Contractor's Signature \_\_\_\_\_

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_

S. No.	Item / Description	Qty	Rate	Unit	Amount
<b>B</b>	<b>Design and Supervision Consultancy</b>				
1	<p>The Consultancy Firm under JV should have (10) years' experience in Consultancy Business and the Interested Consortium / JV Firm are responsible to develop / make Sewerage Design and Plan for execution of subject scheme duly signed with consultant and corresponding experts.</p> <p>The interested Consortium / JV Firm is responsible for submission and approval of all required drawings duly signed and stamp before execution of work i.e. Detail Design in AUTO CAD with 3D View, Detail Lines Plans, X-Section of Boundary Wall, All Layout Plans of , Electrical Work, Rate Analysis, invert levels etc as per approved Size and type.</p> <p>The interested Consortium / JV Firm is responsible for availability of below mentioned Technical Personnel as per experience and qualifications mentioned against each at site during entire period execution of scheme.</p>				

S. No.	Position	Qualification / Experience	Min Staff
1	Resident Engineer	Masters in Civil Engineering / Bachelors in Civil Engineering with 5 / 10 years of experience	1
2	Site Surveyor	Bachelor in Civil Engineering / D.A.E (Civil) with 3 / 5 Years of Experience	3
3	Site Inspector	D.A.E (Civil) / D.A.E (Mechanical) with 2/3 years experience.	6
4	AUTO CAD OPERATOR	Bachelor Degree and Certificate of AUTO CAD with experience of 5 years	2
5	Other support staff	as per Requirement	



**Executive Engineer**

Sukkur Water & Sewerage Corporation

I / We hereby quote Architecture Design Charges

Rs.

I / We hereby quote Supervision Fee during Execution

%age Rs.

The total amount is Rs.

(In figure)

Rupees:

(In Words)

Contractor's Signature \_\_\_\_\_

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_

**SUMMARY BID FOR**

**IMPROVEMENT OF DRAINAGE SYSTEM FOR SUKKUR CITY**  
**(PHASE-IV)**

S No.	Components	Schedule Amount	%age Above / Below	Amount of Schedule Item with Above / Below ((3x4)=Ans+3)	Non Schedule Item	Total (5+6+7)
1	2	3	4	5	6	7
<b>(A) Up-gradation of Shalimar Disposal Station (For Rain Water)</b>						
<b>(1) Construction of Pump House</b>						
A	Schedule Items	1,768,854				
<b>(2) P,L,J Testing &amp; Raising Mains</b>						
A	Schedule Items	81,100,044				
<b>(3) Pumping Machinery</b>						
A	Non Schedule Items	-	-	-		
<b>(4) External Electric Work (Diesel Generator)</b>						
A	Non Schedule Items	-	-	-		
<b>(5) Road Restoration</b>						
A	Schedule Items	89,379,960	-	-	-	
<b>Total Part (A) Rs.</b>		<b>172,248,858</b>				
<b>(B) Up-gradation of Birohi Disposal Works @ Sukkur City</b>						
<b>(1) Construction of Pump House 10x12 (02 Nos)</b>						
A	Schedule Items	1,446,968				
<b>(2) Supply and Installation of Pumping Machinery</b>						
A	Non Schedule Items	-	-	-		
<b>(3) Diesel Engine with Pump 2 Nos 48HP 1600 GPM</b>						
A	Non - Schedule Items	-	-	-		
<b>(4) Providing, Laying, Jointing and Testing of 315mm (PN-08) High Density Polyethylene PE Rising Main</b>						
A	Schedule Items	2,196,949				
<b>Total Part (B) Rs.</b>		<b>3,643,917</b>				
<b>(C) UP-GRADATION OF SEWERAGE SYSTEM OF FRUIT &amp; VEGETABLE MARKET SHIKARPUR ROAD SUKKUR</b>						
<b>(1) Upgradation/Construction of Existing Disposal</b>						
<b>(i) Construction of 20ft Dia Collecting Tank</b>						
A	Schedule Non Schedule Items	4,751,147				
<b>(ii) Construction of Screen Chamber</b>						
A	Schedule Non Schedule Items	1,508,187				
<b>(iii) Construction of Pump House</b>						
A	Schedule Non Schedule Items	1,052,511				

S No.	Components	Schedule Amount	%age Above / Below	Amount of Schedule Item with Above / Below ((3x4)=Ans+3)	Non Schedule Item	Total (5+6+7)
1	2	3	4	5	6	7
<b>(iv) Construction of Boudary Wall &amp; Gate</b>						
A	Schedule Items	1,868,816			-	
<b>(v) General Development Work</b>						
A	Schedule Items	265,053			-	
<b>Total Part 1 Rs.</b>		<b>9,445,714</b>				
<b>(2) RCC ASTM</b>						
<b>(i) 18" (1000) &amp; 24" (1500) dia RCC ASTM Sewer</b>						
A	Schedule Items	24,196,322			-	
<b>(ii) 3ft Wide RCC Nala 4000 Rft</b>						
A	Schedule Items	103,853,098			-	
<b>Total Part 2 Rs.</b>		<b>128,049,420</b>				
<b>(3) PLJ &amp; Testing of Raising Main</b>						
<b>(i) 315mm Outer Diameter PE Raising Main</b>						
A	Schedule / Non Schedule Items	4,390,750				
<b>(4) Pumping Machinery</b>						
<b>(i) Supply and Installation of Pumping Machinery</b>						
A	Non Schedule Items	-	-	-		
<b>(5) Restoration of Street Road</b>						
<b>(i) Pavement of Street</b>						
A	Schedule Items	60,035,899			-	
<b>(6) External Electrical Work</b>						
<b>(i) Diesel Engineer, Set 200 KVA</b>						
A	Non - Schedule Items	-	-	-		
<b>Total Part C Rs.</b>		<b>201,921,784</b>				
<b>(D) Improvement &amp; Rehabilitation of Drainage System of Freek Hill Colony &amp; Surrounding areas near Civil Hospital Sukkur</b>						
<b>(1) Lying of RCC Sewer Line of Different Sizes 18" &amp; 24" dia with RCC Manhole at various Location within the limits of SMC</b>						
A	Schedule Items	33,845,680			-	
<b>(2) Construction of 4ft Wide RCC Nala</b>						
A	Schedule Items	32,472,721			-	
<b>(3) Construction of 3ft Wide RCC Nala</b>						
A	Schedule Items	15,140,883			-	
<b>(4) Restoration of Street</b>						
A	Schedule Items	10,308,456			-	
<b>Total Part D Rs.</b>		<b>91,767,740</b>			-	

S No.	Components	Schedule Amount	%age Above / Below	Amount of Schedule Item with Above / Below ((3x4)=Ans+3)	Non Schedule Item	Total (5+6+7)
1	2	3	4	5	6	7
<b>(E) SUPPLY OF SUCTION MACHINERY FOR DRAINAGE SYSTEM OF SUKKUR</b>						
<b>(1) Suction Machinery / Vehicle</b>						
A	Non Schedule Items	-	-	-		
<b>Grand Total Rs.</b>		<b>469,582,299</b>				
<b>Add 6.5% Price Contingency Rs.</b>						<b>22,393,318</b>
<b>ADD 5% SRB TAX RS.</b>						<b>35,570,924</b>
<b>(9) Deisgn and Consultancy Charges</b>						
A	Deisgn and Supervision Consultancy	-			-	
<b>GRAND TOTAL</b>						

In Words: \_\_\_\_\_

Note:

- (i) Cartage shall not be payable separately and that the bid offered is including cost of cartage
- (ii) Any difference on steel, cement, Bitumen, wood, and bricks as per notified by Government of Sindh Shall be payable based on schedule items executed quantities
- (iii) No premium shall be allowed on Non Schedule Items
- (iv) No Escalation shall be allowed on Non Schedule Items

Contractor's Signature \_\_\_\_\_

Name of Firm \_\_\_\_\_

Address \_\_\_\_\_